

# PALM BEACH COUNTY - EXAM DESCRIPTIONS

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## Acoustical/Suspended Acoustical Ceiling

### Contractor

<b>Number of Questions</b>	<b>30</b>
<b>Time allowed (hours)</b>	<b>2</b>

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	8
Materials	7
Acoustical Installation	10
Safety	5

### References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Drywall Level 1,** 2007. ISBN: 978-0-13-604512-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Drywall Level 2,** 2009. ISBN: 978-0-13-604480-2. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

## Aluminum Construction & Limited Concrete

<b>Number of Questions</b>	<b>50</b>
<b>Time allowed (hours)</b>	<b>2</b>

<b>Subject Area</b>	<b># Quest.</b>
Miscellaneous Aluminum Structures & Gutters	6
Concrete	7
Plan Reading & Estimating	7
Safety	6
Screen Rooms, Carports & Patio Covers	8
Screen Enclosures	8
Siding, Soffit & Fascia	8

### References

- **AAF Guide to Aluminum Construction in High Wind Areas,** 2010. Aluminum Association of Florida, 13165 McCrory Place, Suite 185, Orlando, FL 33432. Available at <http://www.aaof.org/>. (Also permitted is the Guide to Aluminum Construction in High-Wind Area ASCE7 Supplement to the 2010 Guide )
- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Aluminum Siding

**Number of Questions** 25  
**Time allowed (hours)** 2

Subject Area	# Quest.
Acoustical Installation	8
Materials	8
Plan Reading & Estimating	3
Safety	3
Substrates	3

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Residential**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Aluminum Specialties Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	7
Concrete & Masonry	7
Carpentry, Windows & Doors	7
Siding, Soffit & Fascia	6
Screen Enclosures	6
Screen Rooms, Carports & Patio Covers	6
Miscellaneous Aluminum Structures & Gutters	5
Safety	6

### References

- **AAF Guide to Aluminum Construction in High Wind Areas**, 2010. Aluminum Association of Florida, 13165 McCrory Place, Suite 185, Orlando, FL 33432. Available at <http://www.aaof.org/>. (Also permitted is the Guide to Aluminum Construction in High-Wind Area ASCE7 Supplement to the 2010 Guide )

- **Core Curriculum: Introductory Craft Skills Basic Safety**, 2009. ISBN: 978-0-136-09875-1. NCCER, 13614 Progress Blvd., Alachua, FL 32615. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2017 - Building**, 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Masonry and Sitework for the Residential Contractor, 2nd edition**, 2nd. ISBN: 978-1-269-78556-3. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Awning Erection AE

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Building Codes	15
Design, Plan Reading and Estimating	8
Awnings, Canopies, & Hurricane Shutters	15
Concrete and Reinforcement	6
Safety	6

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Fabric Awning and Canopy Building Code**, 2010. Industrial Fabrics Association International, Roseville, MN. <https://www.ifai.com>
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at [www.apawood.org](http://www.apawood.org) Candidate's printed versions allowed if exam is open book.
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Building Contractor

**Number of Questions** 70  
**Time allowed (hours)** 3

Subject Area	# Quest.
Plan Reading & Estimating	11
Sitework	6
Concrete	11
Masonry	10
Structural Steel	5
Carpentry & Metal Framing	5
Roofing	5

Associated Trades	3
Interior Finishes	5
Exterior Finishes	5
Safety	4

#### References

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013**, 2013. ISBN: 978-1-929081-43-1. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333. Available at <http://www.concrete.org> OR <http://www.techstreet.com/searches/16672726> OR [amazon.com](http://amazon.com)
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136898327> <https://provexam.com/bookstore/>
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Commercial Carpentry, 2nd Edition**, 2014. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Study Guide for Structural Steel**, 2012. ISBN: 978-1-269-08432-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Burglar & Fire Alarm Electrical 2020

Number of Questions	50
Time allowed (hours)	2

Subject Area	# Quest.
General Electrical Knowledge	5
Fire & Intrusion Detection & Alarms	24
Power Supplies	5
Notification Appliances & Signaling Circuits	5
Grounding & Bonding	4
Raceways & Boxes	3
Conductors & Cables	3
Special Occupancies	1

#### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Burglar & Fire Alarm Electrical 2023 (Spanish)

Number of Questions	50
Time allowed (hours)	2

Subject Area	# Quest.
Conductors & Cables	3
Fire & Intrusion Detection & Alarms	24
Grounding & Bonding	4
General Electrical Knowledge	5
Notification Appliances & Signaling Circuits	5
Power Supplies	5
Raceways & Boxes	3
Special Occupancies	1

#### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code 2023**, 2023. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Burglar Alarm Electrical 2020

Number of Questions	50
Time allowed (hours)	2

Subject Area	# Quest.
Acoustical Installation	10
General Electrical Knowledge	5
Intrusion Detection	17
Notification Appliances & Signaling Circuits	9
Power Supplies	5
Supervisory Stations	4

#### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Business and Law, 2nd edition

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Business Organization	4
Licensing	3
Lien laws	3
Tax Laws	6
Safety OSHA	4
Labor Laws	6
Contract Management	5
Project Management	5
Estimating & Bidding	5
Financial Management	5
Risk Management	4

### References

- **FLORIDA - NASCLA Contractors Guide to Business, Law and Project Management**, 2nd. NASCLA, 23309 N. 17th Drive, Building 1, Unit 110, Phoenix, AZ 85027.

## Business Procedures, 2nd edition (Spanish)

Number of Questions 75  
Time allowed (hours) 3

Subject Area	# Quest.
Business Organization	3
Lien laws	4
Labor Laws	8
Tax Laws	5
Safety OSHA	5
Licensing	3
Contract Management	10
Project Management	8
Estimating & Bidding	9
Financial Management	9
Risk Management	6
Dade County Municipal Code - Chapter 10	5

### References

- **Dade County Municipal Code - Chapter 10**, 2015. Dade County Florida, FL. Available at [www.municode.com/Library/FL/Miami\\_-\\_Dade\\_County](http://www.municode.com/Library/FL/Miami_-_Dade_County). Candidate printed versions permitted in testing room if exam is open ...
- **FLORIDA - NASCLA Contractors Guide to Business, Law and Project Management**, 2nd. NASCLA, 23309 N. 17th Drive, Building 1, Unit 110, Phoenix, AZ 85027.

## Carpentry

Number of Questions 50  
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	6
Floor Systems	4
Wall & Ceiling Framing	8
Roof Framing	8
Thermal & Moisture Protection	4
Exterior Finishing	4
Cold-Formed Steel Framing	5
Windows, Doors & Stairs	4
Interior Trim	2
Safety	5

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Carpentry -Finish Contractor

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	6
Building Materials, Fasteners & Adhesives	7
Windows & Exterior Doors	2
Exterior Finishing	5
Doors & Hardware	5
Interior Trim	7
Cabinet Installation	6
Wood Flooring	8
Safety	4

### References

- **Study Guide for Siding & Finish Carpentry**, 2012. ISBN: 978-1-256-61081-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Wood Flooring: A Complete Guide to Layout, Installation & Finishing**. The Taunton Press, 63 South Main St., P.O. Box 5506, Newton, CT 06470.

## Carpentry 2023 (Spanish)

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Cold-Formed Steel Framing	5
Exterior Finishing	4
Floor Systems	4
Interior Trim	2
Plan Reading & Estimating	6
Safety	5
Roof Framing	8
Thermal & Moisture Protection	4
Wall & Ceiling Framing	8
Windows, Doors & Stairs	4

### **References**

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Carpentry Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	5
Building Materials, Fasteners & Adhesives	4
Floor Systems	5
Wall & Ceiling Framing	7
Roof Framing	7
Thermal & Moisture Protection	3
Finish Carpentry & Cabinetry	7
Windows, Doors & Stairs	5
Fencing	4
Safety	3

### **References**

- **Fences and Retaining Walls**, 1990. ISBN: 0-934041-53-9. Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009. Available at [www.craftsman-book.com](http://www.craftsman-book.com).
- **Florida Building Code 2017 - Building**, 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

- **Study Guide for Siding & Finish Carpentry**, 2012. ISBN: 978-1-256-61081-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Wood Flooring: A Complete Guide to Layout, Installation & Finishing**. The Taunton Press, 63 South Main St., P.O. Box 5506, Newton, CT 06470.

## Concrete Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	6
Properties of Concrete	4
Preparation for Placement	6
Reinforcement	7
Formwork	7
Placement & Finishing	7
Specialized Installations & Finishes	3
Quality Control & Curing	5
Safety	5

### **References**

- **ACI 318 Building Code Requirements for Structural Concrete 2019**, 2019. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333.
- **Concrete Construction Level 1**, 2021. ISBN: 978-0-13-686828-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136868282> <https://provexam.com/bookstore/>
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136898327> <https://provexam.com/bookstore/>

## Concrete Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	6
Properties of Concrete	4
Preparation for Placement	6
Reinforcement	7
Formwork	7
Placement & Finishing	7
Specialized Installations & Finishes	3
Quality Control & Curing	5
Safety	5

### **References**

- **ACI 318 Building Code Requirements for Structural Concrete 2019**, 2019. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333.
- **Concrete Construction Level 1**, 2021. ISBN: 978-0-13-686828-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

<http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136868282> <https://provexam.com/bookstore/>

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## Concrete Forming and Placing

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	6
Properties of Concrete	6
Preparation for Placement	5
Reinforcement	6
Formwork	5
Placement & Finishing	8
Specialized Installations & Finishes	3
Quality Control & Curing	6
Safety	5

### References

- **ACI 318 Building Code Requirements for Structural Concrete 2019**, 2019. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333.
- **Concrete Construction Level 1**, 2021. ISBN: 978-0-13-686828-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136868282> <https://provexam.com/bookstore/>
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136898327> <https://provexam.com/bookstore/>

## Concrete Placing and Finishing

**Number of Questions** 40  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	4
Properties of Concrete	6
Preparation for Placement	5
Reinforcement	3
Placement & Finishing	7
Specialized Installations & Finishes	4
Quality Control & Curing	6
Safety	5

### References

- **ACI 318 Building Code Requirements for Structural Concrete 2019**, 2019. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333.
- **Concrete Construction Level 1**, 2021. ISBN: 978-0-13-686828-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

<http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136868282> <https://provexam.com/bookstore/>

- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136898327> <https://provexam.com/bookstore/>

## Countertop Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	6
Cabinet Installation	4
Countertop Materials	12
Countertop Substrate	8
Countertop Installation	16
Safety	4

### References

- **Core Curriculum: Introductory Craft Skills Basic Safety**, 2009. ISBN: 978-0-136-09875-1. NCCER, 13614 Progress Blvd., Alachua, FL 32615. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Corian, Fabrication Manual**. SurfaceNet, LLC, Solid Surface.com, FL. [http://www2.dupont.com/Surfaces/en\\_US/assets/pdf/Fab-Manual-for-printing.pdf](http://www2.dupont.com/Surfaces/en_US/assets/pdf/Fab-Manual-for-printing.pdf) Candidate printed copies are allowed
- **Q & A: Expert Answers to Technical Questions**. Marble Institute of America, 28901 Clemons Road, Suite 100, Cleveland, OH 44145. Available at [https://associationdatabase.com/aws/MIA/pt/sp/bookstore\\_layout\\_details?get\\_content\\_from\\_session=1&suppress\\_tcsharing=1](https://associationdatabase.com/aws/MIA/pt/sp/bookstore_layout_details?get_content_from_session=1&suppress_tcsharing=1) or <https://www.naturalstoneinstitute.org/>.
- **Residential Stone Countertop Installation**. Marble Institute of America, 28901 Clemons Road, Suite 100, Cleveland, OH 44145. Available at [www.marble-institute.com](http://www.marble-institute.com)
- **The Complete Guide to Cabinets and Countertops**. Black and Decker, Quayside Publishing Group DBA Cool Springs Press, 400 First Avenue North Suite 400, Minneapolis, MN 55401. <http://www.homedepot.com1591865896/204758064>

## Decorative Metal Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Building Codes	10
Plan Reading & Estimating	6
Welding	10
Ornamental Iron	5
Stairs & Railings	11
Safety	8

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Introduction to Arc Welding**. ISBN: 0-13-215108-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Miscellaneous/Ornamental Ironworking**. ISBN: 978-0-13-292289-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Tools & Equipment of the Trade**, 2011. ISBN: 978-0-13-213803-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Trade Math**. ISBN: 978-0-13-266447-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Trade Safety**, 2011. ISBN: 978-0-13-213801-7. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Demolition Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Interpretation	6
Structural Concrete	5
Structural Masonry	5
Structural Framing	4
Structural Steel	6
Blasting	6
Rigging and Cranes	8
Safety	10

### References

- **Carpentry Fundamentals (Level 1)**, 2006. ISBN: 978-0-13-229268-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Code of Federal Regulations, Title 29, Part 1926**, 2012. ISBN: 9780160911576. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at <http://bookstore.gpo.gov>. Candidate printed versions permitted in testing room if exam is open book. OSHA Standards for the Construction Industry is permitted as a substitute for this book.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Ironworking Level One**, 2011. ISBN: 978-0-13-213714-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **ISEE Blasters' Handbook**. ISBN: 978-1892396006. International Society of Explosives Engineers, 30325 Bainbridge Road, Cleveland, OH 44139. Available at [www.isee.org](http://www.isee.org).
- **Masonry Level One**, 2004. ISBN: 978-0-13-228718-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

- **NFPA 241 Safeguarding Construction, Alteration and Demolition Operations**. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Direct Burial Cable Television (CATV) Contractor

### 2017

**Number of Questions** 50  
**Time allowed (hours)** 3

Subject Area	# Quest.
Concrete Materials, Methods & Placement	12
Communication Systems	20
FL DOT Utility Accommodation	8
Earthwork	6
Safety	4

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **FL DOT Utility Accommodation Manual**, 2010. State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. Available at [www2.dot.state.fl.us/proceduraldocuments/procedures/bin/710020001/710020001.pdf](http://www2.dot.state.fl.us/proceduraldocuments/procedures/bin/710020001/710020001.pdf). Candidate printed versions permitted in testing room if exam is open book.
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Study Guide for General Engineering, 3rd edition**, 2014. ISBN: 978-1-269-78657-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Dredging and Land Filling Contractor

**Number of Questions** 40  
**Time allowed (hours)** 2

Subject Area	# Quest.
Dredging Principles & Practices	12
Dredging Equipment	12
Regulations	8
Safety	8

### References

- **Code of Federal Regulations, Title 29, Part 1926**, 2012. ISBN: 9780160911576. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at <http://bookstore.gpo.gov>. Candidate printed versions permitted in testing room if exam is open book. OSHA Standards for the Construction Industry is permitted as a substitute for this book.
- **Code of Federal Regulations, Title 33, Parts 1 - 124**. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at



www.ecfr.gov. Candidate printed versions permitted in testing room if exam is open book.

- **Code of Federal Regulations, Title 33, Parts 125-199.** Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at www.ecfr.gov. Candidate printed versions permitted in testing room if exam is open book.
- **Code of Federal Regulations, Title 33, Parts 200 to 499.** Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at www.ecfr.gov. Candidate printed versions permitted in testing room if exam is open book.
- **Fundamentals of Hydraulic Dredging,** 1996. ISBN: 9780784401477. American Society of Civil Engineers, 1800 Alexander Bell Drive, Reston, VA 20191. <https://www.asce.org/templates/publications-book-detail.aspx?id=7971>

## Electrical Communication and Sound 2020

<b>Number of Questions</b>	<b>40</b>
<b>Time allowed (hours)</b>	<b>4</b>
<b>Subject Area</b>	<b># Quest.</b>
Communications Circuits	10
Community antenna television & radio distribution systems	6
General Electrical Knowledge	3
Network-powered broadband communication systems	16
Radio & Television Equipment	5

### References

- **American Electrician's Handbook,** 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020,** 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.

## Electrical Contractor 2014

<b>Number of Questions</b>	<b>75</b>
<b>Time allowed (hours)</b>	<b>3</b>
<b>Subject Area</b>	<b># Quest.</b>
Communication Systems	3
Equipment for General Use	6
General Electrical Knowledge	12
Motors & Controls	4
Plan Reading	4
Special Conditions	4
Special Equipment	3
Special Occupancies	2
Wiring & Protection	17
Wiring Methods & Materials	20

### References

- **American Electrician's Handbook,** 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **NFPA 70 - National Electrical Code,** 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.

## Electrical Fire Alarm 2014

<b>Number of Questions</b>	<b>50</b>
<b>Time allowed (hours)</b>	<b>2</b>
<b>Subject Area</b>	<b># Quest.</b>
General Electrical Knowledge	4
Installation Requirements Electrical	10
Initiating Devices	12
Notification Appliances & Signaling Circuits	13
Systems Testing	9
Supervisory Stations	2

### References

- **American Electrician's Handbook,** 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **Low Voltage Wiring: Security/Fire-Alarm Systems,** 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at www.amazon.com.
- **NFPA 70 - National Electrical Code,** 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.
- **Understanding and Servicing Alarm Systems,** 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at www.amazon.com.

## Electrical Fire Alarm 2020

<b>Number of Questions</b>	<b>50</b>
<b>Time allowed (hours)</b>	<b>2</b>
<b>Subject Area</b>	<b># Quest.</b>
General Electrical Knowledge	4
Installation Requirements Electrical	10
Initiating Devices	12
Notification Appliances & Signaling Circuits	13
Systems Testing	9

Supervisory Stations 2

References

- American Electrician's Handbook, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa
Low Voltage Wiring: Security/Fire-Alarm Systems, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at www.amazon.com.
NFPA 70 - National Electrical Code 2020, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.
Understanding and Servicing Alarm Systems, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at www.amazon.com.

Electrical Sign Contractor 2020

Number of Questions 40
Time allowed (hours) 2

Table with 2 columns: Subject Area and # Quest. Rows include Basic Electricity & Wiring (6), Electrical Signs & Outline Lighting (16), Grounding & Bonding (4), Motors & Controls (3), Transformers (3), Wiring & Protection (4), and Wiring Methods & Materials (4).

References

- American Electrician's Handbook, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa
NFPA 70 - National Electrical Code 2020, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.

Elevator Electrical 2020

Number of Questions 50
Time allowed (hours) 2

Table with 2 columns: Subject Area and # Quest. Rows include Commercial Elevators & Lifts (15), Construction Elevators (4), Dumbwaiters (3), Emergency Service & Signaling Devices (5), Escalators (5), General Electrical Knowledge (5), and Moving Walks (3).

Residential Elevators & Lifts 5
Safety 5

References

- American Electrician's Handbook, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa
ASME A17.1-2013 Safety Code for Elevators and Escalators, 2013. ISBN: 9780791868577. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990. Available at http://www.asme.org/shop/.
ASME A17.3-11 Safety Code for Existing Elevators and Escalators, 2011. ISBN: 978-0-7918-3359-9. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990. Available at http://www.asme.org/shop/.
NFPA 70 - National Electrical Code 2020, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.

Elevator Installation and Maintenance Category

Class "E" (2017)

Number of Questions 50
Time allowed (hours) 2

Table with 2 columns: Subject Area and # Quest. Rows include Commercial Elevators & Lifts (15), Construction Elevators (4), Dumbwaiters (3), Emergency Service & Signaling Devices (5), Escalators (5), General Electrical Knowledge (5), Moving Walks (3), Residential Elevators & Lifts (5), and Safety (5).

References

- American Electrician's Handbook, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa
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ASME A17.3 2020 Safety Code for Existing Elevators and Escalators, 2020. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990.
ASME A17.5-11 Elevator and escalator electrical equipment, 2011. ISBN: 978-1-55436-757-3. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990. Available at http://www.asme.org/shop/.
Code of Federal Regulations, Title 29, Labor, Pt. 1926, Revised as of July 1, 2019, 2019. National Archives and Records Administration, College

Park, MD. <https://www.govinfo.gov/content/pkg/CFR-2020-title29-vol8/pdf/CFR-2020-title29-vol8.pdf>

- **Code of Federal Regulations, Title 29, Part 1926**, 2012. ISBN: 9780160911576. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at <http://bookstore.gpo.gov>. Candidate printed versions permitted in testing room if exam is open book. OSHA Standards for the Construction Industry is permitted as a substitute for this book.
- **NFPA 70 - National Electric Code 2017**, 2017. ISBN: 978-145591277-3. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Elevator Installation and Maintenance Category

### Class "E" (2020)

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Commercial Elevators & Lifts	15
Construction Elevators	4
Dumbwaiters	3
Emergency Service & Signaling Devices	5
Escalators	5
General Electrical Knowledge	5
Moving Walks	3
Residential Elevators & Lifts	5
Safety	5

#### **References**

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **ASME A17.1-2019 Safety Code for Elevators and Escalators**, 2019. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990.
- **ASME A17.3 2020 Safety Code for Existing Elevators and Escalators**, 2020. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990.
- **ASME A17.5-11 Elevator and escalator electrical equipment**, 2011. ISBN: 978-1-55436-757-3. American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990. Available at <http://www.asme.org/shop/>.
- **Code of Federal Regulations, Title 29 Labor Pt 1926 Revised as of July 1, 2016**, 2016. ISBN: 978-1354237915. National Archives and Records Administration, College Park, MD. <https://bookstore.gpo.gov>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Fabric Awning Contractors

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Building Codes	10
Design, Plan Reading and Estimating	12
Awning Installation & Attachment	19
Safety	9

#### **References**

- **All about Awnings**. Professional Awning Manufacturers Association, 1801 County Road B West, Roseville, MN 55113. [http://www.awninginfo.com/commercial\\_awning\\_architects\\_resources.html](http://www.awninginfo.com/commercial_awning_architects_resources.html) Candidate printed copies allowable
- **Carpentry Fundamentals (Level 1)**, 2006. ISBN: 978-0-13-229268-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Core Curriculum: Introductory Craft Skills Basic Safety**, 2009. ISBN: 978-0-136-09875-1. NCCER, 13614 Progress Blvd., Alachua, FL 32615. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

## Fence Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	6
Layout & General Math	6
Wood Fencing	8
Masonry Fencing	10
Metal & Chain Link Fencing	10
Safety	10

#### **References**

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Fences and Retaining Walls**, 2012. ISBN: 78-1-57218-275-2. Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009. Available at [www.craftsman-book.com](http://www.craftsman-book.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

## Garage Door Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Garage Doors Installation	18
Garage Doors, Materials & Hardware	17
Garage Door Service, Repair & Maintenance	9
Safety	6

### References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **TDS 151 - General Code Inspection Guidelines for Garage Doors.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book.
- **TDS 156 - Standard Wood Header and Jamb Detail Guidelines.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 157 - Garage Doors and Foam Plastic.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 158 - Glazing in Garage Doors.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 160 - Sectional Garage Door Terminology.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 161 - Connecting Garage Door Jambs to Building Framing.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 162 - Wood Door Finishing Guidelines.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 163 - Garage Door R-Value.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 164 - Drywall Surfaces and the Mounting of Garage Door Hardware.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at

<https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>.

Candidate printed versions allowed if exam is open book

- **TDS 165 - Garage Door Manual Operation.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 166 - Guidelines for Connecting a Drawbar Operator to a Sectional Garage Door.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book.
- **TDS 167 - Sectional Garage Door & Electric Operator Checklist for Home Inspectors and Consumers.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 172 - Garage Door Labels.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 179 - Wood Garage Door Inspection and Maintenance Guidelines.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 181 - General Code Inspection Guidelines For Wind Load Rated Garage Doors.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 182 - Technical Considerations for Dock Doors.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 260 - Common Rolling Steel Door Installation Problems.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book
- **TDS 270 - Recommended Rolling Door Maintenance Practices for Building Maintenance Supervisors.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <https://dasma.com/dasma-pages/DASMA-technical-data-sheets.asp>. Candidate printed versions allowed if exam is open book

## General Contractor

**Number of Questions** 80  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	11
Sitework	5
Concrete	12
Masonry	8
Structural Steel	10
Carpentry & Metal Framing	12
Roofing	4
Associated Trades	2
Interior Finishes	5
Exterior Finishes	5
Safety	6

### **References**

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013**, 2013. ISBN: 978-1-929081-43-1. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333. Available at <http://www.concrete.org> OR <http://www.techstreet.com/searches/16672726> OR [amazon.com](http://amazon.com)
- **Carpentry Level One, 2013 edition**, 2013. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=0136898327> <https://provexam.com/bookstore/>
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Commercial Carpentry, 2nd Edition**, 2014. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Study Guide for Structural Steel**, 2012. ISBN: 978-1-269-08432-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Glass & Glazing Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	5
Glass & Glazing	12
Plastic & Glazing	4
Sealants	10
Curtain Walls	6
Structural Glazing Systems	4
Bath Enclosures & Mirrors	4
Safety	5

### **References**

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **GANA Glazing Manual**, 50th Anniversary Edition. Glass Association of North America, 800 SW Jackson Street, STE. 1500, Ste. A, Topeka, KS 66612-1200. Available at [www.glasswebsite.com](http://www.glasswebsite.com).
- **GANA Sealant Manual**, 2008. Glass Association of North America, 800 SW Jackson Street, STE. 1500, Ste. A, Topeka, KS 66612-1200.

## Gunite

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	5
Preparation for Placement	15
Proportioning and Preconstruction Testing	3
Batching and Mixing	3
Shotcrete Construction	20
Safety	4

### **References**

- **Concrete Finishing Level One**, 1998. ISBN: 978-0-13-010246-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Concrete Finishing Level Two**, 1999. ISBN: 978-0-13-014860-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Guide to Shotcrete, 506R.90**, 1995. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333. <https://www.concrete.org/store.aspx>

## HARV Contractor

**Number of Questions** 100  
**Time allowed (hours)** 4

<b>Subject Area</b>	<b># Quest.</b>
Piping	18
Equipment	14
Maintenance	22
Plan Reading	7
Systems & Sizing	20
General Knowledge	19

### **References**

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Manual N - Commercial Load Calculations**, 2008. ISBN: 978-1892765383. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.amazon.com](http://www.amazon.com)
- **Residential Load Calculations - Manual J**. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.acca.org](http://www.acca.org)

## Hurricane Shutter/Awning Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	7
Concrete and Reinforcement	6
Metal Storm Panel Shutters	6
Wood Storm Shutters	4
Installation & Anchorage	16
Building and Municipal Codes	7
Safety	4

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Carpentry Fundamentals (Level 1)**, 2006. ISBN: 978-0-13-229268-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at [www.apawood.org](http://www.apawood.org)  
Candidate's printed versions, Form T450 is allowed if exam is open book.

## Insulation Contractor

**Number of Questions** 50  
**Time allowed (hours)** 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Theory	5
Insulation Materials & Accessories	12
Insulation Installation	13
Systems Insulation	10
Safety	5

### References

- **Basic Safety**, 2015. ISBN: 0-13-412901-6. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>
- **Thermal and Moisture Protection**, 2013. ISBN: 0-13-377903-3. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Insulating Level One**, 2018. ISBN: 0-13-413099-5. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>
- **Insulating Level Two**, 2018. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>
- **Insulating Level Three**, 2018. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

## Irrigation Sprinkler

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	4
Planning & Layout	8
Materials	8
Controls	6
Irrigation Installation	10
Cross Contamination & Backflow Prevention	5
Reclaimed Water	3
Safety	6

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Administrative Code, Ch. 62-610, Reuse of Reclaimed Water & Land Application**, 2012. State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. <http://www.dep.state.fl.us/legal/Rules/wastewater/62-610.pdf>  
Candidate printed versions permitted in testing room if exam is open book.

- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Turf Irrigation Manual - The Complete Guide to Landscape Irrigation Design**, 5th Ed., 1994. ISBN: 978-0963509604. Weathermatic, P.O. Box 180205, Dallas, TX 75218-0205. Available at [www.amazon.com](http://www.amazon.com).

## Journeyman AC (Limited)

**Number of Questions** 100  
**Time allowed (hours)** 4

Subject Area	# Quest.
General Knowledge	22
Piping	10
Systems & Sizing	25
Equipment	15
Maintenance	22
Plan Reading	6

### References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Journeyman Air Conditioning

**Number of Questions** 100  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Knowledge	20
Piping	10
Systems & Sizing	24
Equipment	10
Maintenance	24
Plan Reading	12

### References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Journeyman Burglar Alarm 2017

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
General Electrical Knowledge	6
Intrusion Detection	6
Acoustical Installation	18
Notification Appliances & Signaling Circuits	13
Power Supplies	5
Supervisory Stations	2

### References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Journeyman Burglar Alarm 2020

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
General Electrical Knowledge	6
Intrusion Detection	6
Acoustical Installation	18
Notification Appliances & Signaling Circuits	13
Power Supplies	5
Supervisory Stations	2

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Journeyman Electrician 2011

**Number of Questions** 70  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Electrical Theory & Principles	10
Plan Reading	2
Wiring & Protection	14
Wiring Methods & Materials	22
Motors & Controls	3
Equipment for General Use	6
Special Occupancies	2
Special Equipment	3
Special Conditions	3
Communication Systems	5

### References

- **American Electricians' Handbook**, 15th Edition. ISBN: 978-0-07-149462-5. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com)
- **NFPA 70 - National Electrical Code**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Journeyman Electrician 2014

**Number of Questions** 70  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Electrical Theory & Principles	9
Plan Reading	4
Wiring & Protection	14
Wiring Methods & Materials	22
Motors & Controls	3
Equipment for General Use	6
Special Occupancies	2
Special Equipment	3
Special Conditions	3
Communication Systems	4

### References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
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## Journeyman Electrician 2020

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Communication Systems	5
Equipment for General Use	6
General Electrical Theory & Principles	12
Motors & Controls	4
Special Conditions	3
Special Equipment	3
Special Occupancies	4
Wiring & Protection	14
Wiring Methods & Materials	24

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).



## Journeyman General Mechanical

**Number of Questions** 60  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Knowledge	9
Piping	6
Equipment	13
Maintenance	10
Plan Reading	4
Systems & Sizing	18

### References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **HVAC Level Three Trainee Guide**, 2008. ISBN: 978-0-13-604492-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **HVAC Level Two Trainee Guide**, 2007. ISBN: 978-0-13-614385-7. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Manual N - Commercial Load Calculations**, 2008. ISBN: 978-1892765383. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.amazon.com](http://www.amazon.com)

## Journeyman Heating

**Number of Questions** 80  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Knowledge	24
Piping	17
Systems & Sizing	15
Equipment	10

Maintenance 9  
Plan Reading 5

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **HVAC Level Three Trainee Guide**, 2008. ISBN: 978-0-13-604492-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **HVAC Level Two Trainee Guide**, 2007. ISBN: 978-0-13-614385-7. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Journeyman Pipefitter

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Knowledge	20
Installation, Valves & Connections	18
Piping	33
Safety	4

### References

- **The Pipe Fitters Blue Book**, 2002. ISBN: 0-9708321-2-5. Graves Publishing Company, P.O. Box 953, Clinton, NC 28329. <https://pipefitter.com/store/pipe-fitters-blue-book.html#product-details-tab-specification>
- **Pipefitting Level One**, 2019. ISBN: 978-0-13-580941-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Pipefitting Level Two**, 2019. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Pipefitting Level Three**, 2019. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Advanced Blueprint Reading**, 2021. ISBN: 0-13-748750-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. May be purchased

though Pearson via phone at 1-800-922-0579 (select option #2 for individual orders). Use ISBN 0-13-748750-9.

- **Advanced Pipe Fabrication**, 2021. ISBN: 0-13-748751-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. May be purchased though Pearson via phone at 1-800-922-0579 (select option #2 for individual orders). Use ISBN 0-13-748751-7.

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Journeyman Plumber

**Number of Questions** 80  
**Time allowed (hours)** 3

Subject Area	# Quest.
Drain, Waste & Vent Systems	14
Fixtures & Fittings	6
General Knowledge	10
Isometrics & Plan Reading	10
Plumbing Math	5
Storm & Roof Drainage	8
Water Heaters	8
Water Supply and Distribution	12
Safety	7

### References

- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Plumbing Basics for Contractors, 3rd Edition**, 2014. ISBN: 978-1-269-78624-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Journeyman Residential Electrical 2020

**Number of Questions** 65  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Electrical Knowledge	15
Wiring & Protection	15
Wiring Methods & Materials	10
Equipment for General Use	7
Special Occupancies	3
Special Equipment	2
Special Conditions	3
Communication Systems	5
Motors & Controls	5

### References

## Journeyman Sign Electrician 2020

**Number of Questions** 40  
**Time allowed (hours)** 2

Subject Area	# Quest.
Electrical Signs & Outline Lighting	13
Grounding & Bonding	5
General Electrical Knowledge	6
Motors & Controls	3
Transformers	3
Wiring & Protection	6
Wiring Methods & Materials	4

### References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Lightning Protection 2014

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
General Electrical Knowledge	10
Hazardous Structures	5
Heavy Duty Stacks	5
Ordinary Structures	10
Safety	5
Special Occupancies	5
Wind Turbines and Watercraft	5
Explosive Materials	5

### References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **NFPA 780 Standard for the Installation of Lightning Protection Systems**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

Explosive Materials	5
Wind Turbines and Watercraft	5

#### References

- **American Electricians' Handbook**, 15th Edition. ISBN: 978-0-07-149462-5. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com)
- **NFPA 70 - National Electrical Code**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **NFPA 780 Standard for the Installation of Lightning Protection Systems**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

### Lightning Protection 2017

Number of Questions	50
Time allowed (hours)	2

Subject Area	# Quest.
General Electrical Knowledge	10
Hazardous Structures	5
Heavy Duty Stacks	5
Ordinary Structures	10
Safety	5
Special Occupancies	5
Wind Turbines and Watercraft	5
Explosive Materials	5

#### References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **NFPA 780 Standard for the Installation of Lightning Protection Systems**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

### Limited Insulation

Number of Questions	50
Time allowed (hours)	2

Subject Area	# Quest.
Insulation Installation	15
Insulation Materials & Accessories	15
Plan Reading & Estimating	5
Safety	7
Theory	8

#### References

- **Basic Safety**, 2015. ISBN: 0-13-412901-6. NCCER MATS Testing, 13614 Progress Blvd, Alachua, FL 32615. Available at <http://nccer.pearsonconstructionbooks.com>
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Insulating Level One**, 2018. ISBN: 0-13-413099-5. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>
- **Introduction to Construction Drawings**, 2015. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [mypearsonstore.com](http://mypearsonstore.com)
- **Thermal and Moisture Protection**, 2013. ISBN: 0-13-377903-3. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

### Lightning Protection Systems Contractor 2011

Number of Questions	48
Time allowed (hours)	2

Subject Area	# Quest.
General Electrical Knowledge	9
Safety	4
Ordinary Structures	10
Special Occupancies	5
Heavy Duty Stacks	5
Hazardous Structures	5

## Limited Roofing

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	9
Deck & Underlayment	9
Flashing	8
High Slope Roofing	16
Safety	8

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Roofing - Study Guide**, 2018. ISBN: 978132388055. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Or, if the book above is unavailable, it may be substituted by the following.** Substitute references shown below..
- **Core 2015, 27202-13 Roofing Applications, & 27403-14 Advanced Roof Systems**. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

## Low Voltage 2011

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
General Electrical Knowledge	12
Wiring & Protection	4
Wiring Methods & Materials	10
Equipment for General Use	6
Special Occupancies	6
Special Equipment	3
Special Conditions	4
Communication Systems	5

### References

- **American Electricians' Handbook**, 15th Edition. ISBN: 978-0-07-149462-5. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com)
- **NFPA 70 - National Electrical Code**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Low Voltage 2017

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
General Electrical Knowledge	12
Wiring and Protection	5
Wiring Methods & Materials	10
Equipment for General Use	3
Special Occupancies	4
Special Equipment	4
Special Conditions	4
Communication Systems	8

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electric Code 2017**, 2017. ISBN: 978-145591277-3. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Low Voltage 2020

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
General Electrical Knowledge	12
Wiring and Protection	5
Wiring Methods & Materials	10
Equipment for General Use	3
Special Occupancies	4
Special Equipment	4
Special Conditions	4
Communication Systems	8

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).

## Low Voltage Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Installation	8
Communication and Sound	5
General Electrical Knowledge	5
Intrusion Detection	15
Notification Appliances & Signaling Circuits	8
Power Supplies	5
Supervisory Stations	4

### References

- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code**, 2011. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).
- **Wiring Diagrams Pal -The Reference Guide for Electrical Wiring Installations**. ISBN: 0-9652171-4-0. Pal Publications, 374 Circle of Progress, Pottstown, PW 19464-3810.

## Low Voltage Contractor 2014

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
General Electrical Knowledge	5
Intrusion Detection	15
Acoustical Installation	8
Notification Appliances & Signaling Circuits	8
Communication and Sound	5
Power Supplies	5
Supervisory Stations	4

### References

- **Low Voltage Wiring: Security/Fire-Alarm Systems**, 2001. ISBN: 978-0071376747. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [www.amazon.com](http://www.amazon.com).
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at [www.amazon.com](http://www.amazon.com).
- **Wiring Diagrams Pal -The Reference Guide for Electrical Wiring Installations**. ISBN: 0-9652171-4-0. Pal Publications, 374 Circle of Progress, Pottstown, PW 19464-3810.

## Maintenance Electrician (Spanish) 2020

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
General Electrical Knowledge	15
Safety	5
Servicing Applications	8
Wiring & Protection	13
Wiring Methods & Materials	9

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Maintenance Electrician 2017

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
General Electrical Knowledge	15
Safety	5
Servicing Applications	8
Wiring & Protection	13
Wiring Methods & Materials	9

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electric Code 2017**, 2017. ISBN: 978-145591277-3. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Masonry

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	8
Masonry Units	8
Mortar	8
Reinforcement	7
Masonry Installation	12
Safety	7

### References

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013**, 2013. ISBN: 978-1-929081-43-1. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333. Available at <http://www.concrete.org> OR <http://www.techstreet.com/searches/16672726> OR [amazon.com](http://amazon.com)
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Masonry Contractors, 2nd Edition**, 2014. ISBN: 978-1-269-78558-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Master AC (Limited)

**Number of Questions** 100  
**Time allowed (hours)** 4

Subject Area	# Quest.
General Knowledge	18
Piping	19
Systems & Sizing	20
Equipment	15
Maintenance	23
Plan Reading	5

### References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Manual N - Commercial Load Calculations**, 2008. ISBN: 978-1892765383. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.amazon.com](http://www.amazon.com)
- **Residential Load Calculations - Manual J**. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.acca.org](http://www.acca.org)

## Master AC (Unlimited)

**Number of Questions** 100  
**Time allowed (hours)** 4

Subject Area	# Quest.
Piping	18
Equipment	14
Maintenance	22
Plan Reading	7
Systems & Sizing	20
General Knowledge	19

### References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition**, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Manual N - Commercial Load Calculations**, 2008. ISBN: 978-1892765383. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.amazon.com](http://www.amazon.com)
- **Residential Load Calculations - Manual J**. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. [www.acca.org](http://www.acca.org)

## Master Electrician 2014

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Communication Systems	3
Equipment for General Use	6
General Electrical Knowledge	12
Motors & Controls	4
Plan Reading	4
Special Conditions	4
Special Equipment	3
Special Occupancies	2
Wiring & Protection	17
Wiring Methods & Materials	20

## References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Master Electrician 2017

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Communication Systems	3
Equipment for General Use	6
General Electrical Knowledge	12
Motors & Controls	4
Plan Reading	3
Special Conditions	4
Special Equipment	3
Special Occupancies	2
Wiring & Protection	18
Wiring Methods & Materials	20

## References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electric Code 2017**, 2017. ISBN: 978-145591277-3. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Master Electrician 2020

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Communication Systems	3
Equipment for General Use	6
General Electrical Knowledge	12
Motors & Controls	5
Plan Reading	2
Special Conditions	4
Special Equipment	4
Special Occupancies	2
Wiring & Protection	17
Wiring Methods & Materials	20

## References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Master Residential Electrical 2020

**Number of Questions** 65  
**Time allowed (hours)** 3

Subject Area	# Quest.
Communication Systems	5
Equipment for General Use	8
General Electrical Knowledge	18
Residential Motors	5
Special Equipment	4
Wiring & Protection	13
Wiring Methods & Materials	12

## References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Master Sign Electrician 2020

**Number of Questions** 40  
**Time allowed (hours)** 2

Subject Area	# Quest.
Electrical Signs & Outline Lighting	16
General Electrical Knowledge	6
Grounding & Bonding	4
Motors & Controls	3
Transformers	3
Wiring & Protection	4
Wiring Methods & Materials	4

## References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>

- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Master TV Antenna (2020 edition)

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Electrical Knowledge	15
Low Voltage, Signaling & Remote Control	12
Radio & Television Equipment	9
Community antenna television & radio distribution systems	12
Grounding & Bonding	19
Safety	8

### References

- **American Electrician's Handbook**, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at <https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa>
- **Code of Federal Regulations, Title 29, Part 1926**, 2012. ISBN: 9780160911576. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at <http://bookstore.gpo.gov>. Candidate printed versions permitted in testing room if exam is open book. OSHA Standards for the Construction Industry is permitted as a substitute for this book.
- **NFPA 70 - National Electrical Code 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Master TV Antenna 2017

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
General Electrical Knowledge	16
Low Voltage, Signaling & Remote Control	8
Radio & Television Equipment	8
Community antenna television & radio distribution systems	12
Grounding & Bonding	20
Safety	11

### References

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at [https://www.mheducation.com/highered/product/american-](https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html)

[electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html](https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html)

- **Code of Federal Regulations, Title 29, Part 1926**, 2012. ISBN: 9780160911576. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at <http://bookstore.gpo.gov>. Candidate printed versions permitted in testing room if exam is open book. OSHA Standards for the Construction Industry is permitted as a substitute for this book.
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Metal Awning & Storm Shutter Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	7
Concrete and Reinforcement	6
Metal Storm Panel Shutters	6
Wood Storm Shutters	4
Installation & Anchorage	16
Building and Municipal Codes	7
Safety	4

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Carpentry Fundamentals (Level 1)**, 2006. ISBN: 978-0-13-229268-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at [www.apawood.org](http://www.apawood.org). Candidate's printed versions, Form T450 is allowed if exam is open book.

## Metal Awning & Storm Shutter Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	7
Concrete and Reinforcement	6
Metal Storm Panel Shutters	6
Wood Storm Shutters	4
Installation & Anchorage	16
Building and Municipal Codes	7
Safety	4

### References



- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Carpentry Fundamentals (Level 1),** 2006. ISBN: 978-0-13-229268-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Hurricane Shutter Designs.** APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at [www.apawood.org](http://www.apawood.org) Candidate's printed versions, Form T450 is allowed if exam is open book.

## Metal Decking & Siding

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Plan Reading & Estimating	12
Metal Decking	18
Metal Siding	10
Welding & Cutting	8
Doors & Windows	4
Rigging Equipment & Practices	9
Safety	14

### References

- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Ironworking Level One,** 2011. ISBN: 978-0-13-213714-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Ironworking Level Three,** 2012. ISBN: 978-0-13-257785-4. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Ironworking Level Two,** 2011. ISBN: 978-0-13-257822-6. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Painting Contractor

**Number of Questions** 80  
**Time allowed (hours)** 3

Subject Area	# Quest.
Safety	6
Substrates & Preparation	15
Materials	17
Application	18
Job Planning & Estimating	8
Paint Failures & Remedies	6
Equipment	10

### References

- **Painting - Industrial Level 4,** 1998. ISBN: 978-0-13-910100-7. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Painting Level One,** 1997. ISBN: 978-0-13-771239-7. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Painting Level Three,** 1998. ISBN: 978-0-13-949041-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Painting Level Two,** 1997. ISBN: 978-0-13-771296-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Paving Contractor

**Number of Questions** 50  
**Time allowed (hours)** 3

Subject Area	# Quest.
Plans & Specifications	3
Survey & Layout	5
Earthwork, Compaction & Stabilization	5
Asphalt Paving Procedures	7
Asphalt Properties and General Uses	6
Use & Application of Asphalt Emulsions	7
Asphalt Preservation & Maintenance	7
Concrete and Reinforcement	7
Safety	3

### References

- **Damage Prevention Guide.** Sunshine State One Call of Florida, Inc., 11 Plantation Road, DeBary, FL 32713. Available at <http://www.sunshine811.com/> Candidate printed versions permitted in testing room if exam is open book.
- **ES-12 Asphalt Surface Treatments,** 1988. The Asphalt Institute, 2696 Research Park Drive, Lexington, KY 40511-8480. Available at <https://www.contractorcampus.com/>.
- **Highway/Heavy Construction Level 1.** ISBN: 978-0-13-061611-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **MS-16 Asphalt in Pavement, Preservation & Maintenance,** 4th edition, 2009. ISBN: 978-1-934154-58-8. The Asphalt Institute, 2696 Research Park Drive, Lexington, KY 40511-8480. Available at [www.asphaltinstitute.org](http://www.asphaltinstitute.org).
- **MS-19 Basic Asphalt Emulsion Manual,** 4th edition. ISBN: 978-1-934154-56-4. The Asphalt Institute, 2696 Research Park Drive, Lexington, KY 40511-8480. Available at [www.asphaltinstitute.org](http://www.asphaltinstitute.org).
- **Standard Specifications for Road and Bridge Construction.** State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. Available at [www.dot.state.fl.us](http://www.dot.state.fl.us). Candidate printed versions allowed if exam is open book.

## Plastering Contractor

**Number of Questions** 50  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	5
Framing	10
Lathing	10
Materials	10
Application & Finishing	10
Safety	5

### References

- **ASTM C1007-11a Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories**, 2011. American Society for Testing and Materials, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. Available at <http://www.astm.org/>. Candidate printed versions allowed if exam is open book.
- **ASTM C1063-12a - Standard Specification for Installation of Lathing & Furring to Receive Interior & Exterior Portland Cement Based Plaster**, 2012. American Society for Testing and Materials, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. Available at <http://www.astm.org/>. Candidate printed versions allowed if exam is open book.
- **ASTM C926-15b Standard Specification for Application of Portland Cement-Based Plaster**, 2015. American Society for Testing and Materials, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959. Available at <http://www.astm.org/>.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Gypsum Construction Handbook**, 2009. ISBN: 978-0876292587. United States Gypsum Corporation, 350 Burnhamthorpe Road West, 5th Floor, Mississauga, ON. Available at [www.amazon.com](http://www.amazon.com).
- **Introduction to Construction Math**, 2015. NCCER MATS Testing, 13614 Progress Blvd, Alachua, FL 32615.

## Plumbing Contractor

**Number of Questions** 100  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
Drain, Waste & Vent Systems	15
Fuel Gas Systems	15
Fixtures & Fittings	8
General Knowledge	10
Isometrics & Plan Reading	8
Plumbing Math	6
Safety	6
Storm & Roof Drainage	8
Water Heaters	12

Water Supply and Distribution

12

### References

- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Plumbing Basics for Contractors, 3rd Edition**, 2014. ISBN: 978-1-269-78624-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Re-screener/Screen Repair Contractor

**Number of Questions** 25  
**Time allowed (hours)** 1.5

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	4
Building and Municipal Codes	4
Window and Door Screens	3
Screen Rooms	4
Pool Enclosures	5
Safety	5

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Building Screen Rooms: Creating Backyard Retreats, Screening in Existing Structures, A Complete How-to Guide**, 2004. Sunset books, P.O. Box 62375, Tampa, FL 33662. Available at [www.amazon.com](http://www.amazon.com)
- **How to Build & Install a Window Screen**. Ehow, FL. available at [http://www.ehow.com/how\\_5298583\\_build-install-window-screen.html](http://www.ehow.com/how_5298583_build-install-window-screen.html) Candidate printed copies allowable
- **How to install fiberglass window screens**. Ehow, FL. Available at [http://www.ehow.com/how\\_5043259\\_install-fiberglass-window-screens.html](http://www.ehow.com/how_5043259_install-fiberglass-window-screens.html) Candidate printed copies allowable
- **How to Re-screen a Pool Cage**. Ehow, FL. Available at [http://www.ehow.com/how\\_6718471\\_re\\_screen-pool-cage.html](http://www.ehow.com/how_6718471_re_screen-pool-cage.html) Candidate printed copies allowable
- **How to repair a hole in a pool screen**. Ehow, FL. Available at [http://www.ehow.com/how\\_12008987\\_repair-hole-pool-screen.html](http://www.ehow.com/how_12008987_repair-hole-pool-screen.html) Candidate printed copies allowable

- **Palm Beach County Amendments to the 5th edition Florida Building Code 2015.** FL - Palm Beach County Contractor Certification, 2300 North Jog Road, West Palm Beach, FL 33411. Available at [municodes.com](http://municodes.com) - Candidate printed versions allowed
- **Screen-Spline Roller Instructions.** Ehow, FL. available at [http://www.ehow.com/how\\_7593695\\_screenspline-roller-instructions.html](http://www.ehow.com/how_7593695_screenspline-roller-instructions.html)
- **Tips on rescreening your screen room.** Ehow, FL. Available at [http://www.ehow.com/list\\_6218467\\_tips-rescreening-screen-room.html](http://www.ehow.com/list_6218467_tips-rescreening-screen-room.html)

## **Refrigeration (Limited)**

**Number of Questions** 100  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
General Knowledge	28
Piping	35
Maintenance	5
Plan Reading	2
Systems & Sizing	30

### **References**

- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition,** 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide,** 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## **Refrigeration (Limited)**

**Number of Questions** 100  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
General Knowledge	28
Piping	35
Maintenance	5
Plan Reading	2
Systems & Sizing	30

### **References**

- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition,** 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide,** 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## **Refrigeration (Unlimited)**

**Number of Questions** 80  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
General Knowledge	22
Piping	23
Systems & Sizing	24
Maintenance	7
Plan Reading	4

### **References**

- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Fuel Gas,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Mechanical,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **HVAC Basics for Contractors,3rd Edition,** 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Intermediate Mechanical Study Guide,** 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Reinforcing Steel Contractor

**Number of Questions** 50  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	6
Reinforcement Placement	14
Reinforcement Connections	12
Reinforcement Cutting & Bending	5
Rigging Equipment & Practices	5
Safety	8

### References

- **ACI 318 Building Code Requirements for Structural Concrete 2014**, 2014. ISBN: 978-0-87031-930-3. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333. Available at <http://www.concrete.org/>.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Reinforcing Ironwork Level One**, 2005. ISBN: 978-0-13-228220-8. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.

## Rental Apartment Maintenance Repair Technician

**Number of Questions** 100  
**Time allowed (hours)** 4

<b>Subject Area</b>	<b># Quest.</b>
Licensing Laws and Municipal Codes	14
Electrical Knowledge	12
HVAC General Knowledge	10
Basic HVAC Maintenance	10
HVAC Control Circuits and Motors	8
HVAC Cooling	8
HVAC Heat Pumps	8
Water Heaters	12
Safety	18

### References

- **Basic Electricity**, 2013. ISBN: 0-13-340285-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Basic Maintenance**. ISBN: 0-13-378002-3. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Control Circuit and Motor Troubleshooting**. ISBN: 978-0-13-378109-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

- **Florida Statutes 489.105**. State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. available at [http://www.leg.state.fl.us/Statutes/index.cfm?App\\_mode=Display\\_Statute&Search\\_String=&URL=0400-0499/0489/Sections/0489.105.html](http://www.leg.state.fl.us/Statutes/index.cfm?App_mode=Display_Statute&Search_String=&URL=0400-0499/0489/Sections/0489.105.html) Candidate printed versions will be permitted.
- **Leak Detection, Evacuation, Recovery, and Charging**. ISBN: 0-13-377998-X. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Palm Beach County Apartment Maintenance Technician**. Palm Beach County, Florida, FL. Available at <http://discover.pbcgov.org/pzb/contractors/Pages/Forms-Licensing.aspx> Candidate printed versions will be permitted
- **Service Plumbing**. ISBN: 0-13-378279-4. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Troubleshooting Cooling**. ISBN: 978-0-13-382406-3. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Troubleshooting Heat Pumps**. ISBN: 978-0-13-378119-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Residential Building Contractor

**Number of Questions** 60  
**Time allowed (hours)** 3

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading	6
Sitework & Foundations	5
Concrete and Reinforcement	8
Masonry	8
Carpentry	10
Roofing	4
Interior Finishes	5
Exterior Finishes	5
Associated Trades	4
Safety	5

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2020 - Residential**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Masonry and Sitework for the Residential Contractor, 2nd edition**, 2nd. ISBN: 978-1-269-78556-3. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)
- **Study Guide for Residential Carpentry and Repair, 2nd edition**, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)
- **Or, if the book above is unavailable, it may be substituted by the following**. Substitute references shown below..
- **Residential Home Builder Study Guide**. ISBN: 9781323550915. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Roofing Contractor

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	8
Deck & Underlayment	6
Flashing	5
High Slope Roofing	15
Low Slope Roofing	9
Safety	7

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Roofing - Study Guide**, 2018. ISBN: 978132388055. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Or, if the book above is unavailable, it may be substituted by the following.** Substitute references shown below..
- **Core 2015, 27202-13 Roofing Applications, & 27403-14 Advanced Roof Systems.** Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

## Roofing Unlimited

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	8
Deck & Underlayment	6
Flashing	5
High Slope Roofing	15
Low Slope Roofing	9
Safety	7

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Roofing - Study Guide**, 2018. ISBN: 978132388055. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Or, if the book above is unavailable, it may be substituted by the following.** Substitute references shown below..
- **Core 2015, 27202-13 Roofing Applications, & 27403-14 Advanced Roof Systems.** Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

## Seal Coating/Striping Contractor

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Asphalt Principles & Properties	4
Use & Application of Asphalt Emulsions	18
Asphalt Surface Treatments	18
Asphalt Preservation & Maintenance	5
Safety	5

### References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **ES-12 Asphalt Surface Treatments**, 1988. The Asphalt Institute, 2696 Research Park Drive, Lexington, KY 40511-8480. Available at <https://www.contractorcampus.com/>.
- **MS-16 Asphalt in Pavement, Preservation & Maintenance**, 4th edition, 2009. ISBN: 978-1-934154-58-8. The Asphalt Institute, 2696 Research Park Drive, Lexington, KY 40511-8480. Available at [www.asphaltinstitute.org](http://www.asphaltinstitute.org).
- **MS-19 Basic Asphalt Emulsion Manual**, 4th edition. ISBN: 978-1-934154-56-4. The Asphalt Institute, 2696 Research Park Drive, Lexington, KY 40511-8480. Available at [www.asphaltinstitute.org](http://www.asphaltinstitute.org).

## Siding, Windows & Doors

Number of Questions 50  
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	6
Building Materials, Fasteners & Adhesives	4
Windows & Exterior Doors	6
Thermal & Moisture Protection	8
Exterior Finishing	15
Doors & Hardware	6
Safety	5

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Siding & Finish Carpentry**, 2nd Edition. ISBN: 9781323963364. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Sign Contractor (Non-Electrical)

**Number of Questions** 49  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading	4
Concrete and Reinforcement	9
Wood	6
Structural Steel	8
Welding	7
Non-Electric Sign	8
Safety	7

### **References**

- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Carpentry Level Three 2014**, 2014. ISBN: 0133823059. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Ironworking Level One**, 2011. ISBN: 978-0-13-213714-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Sign Contractor Electrical 2014

**Number of Questions** 40  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Basic Electricity & Wiring	6
Electrical Signs & Outline Lighting	16
Grounding & Bonding	4
Motors & Controls	3
Transformers	3
Wiring & Protection	4
Wiring Methods & Materials	4

### **References**

- **American Electrician's Handbook**, 16th Edition. ISBN: 978-0071798808. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at <https://www.mheducation.com/highered/product/american-electricians-handbook-sixteenth-edition-croft-hartwell/9780071798808.html>
- **NFPA 70 - National Electrical Code**, 2014. ISBN: 9781455906727. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at [www.nfpa.org](http://www.nfpa.org).

## Structural Steel

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	5
Structural Steel	10
Welding & Cutting	6
Structural Steel-Bolting	4
Metal Decking	6
Metal Buildings	3
Metal Joists & Trusses	5
Rigging and Cranes	6
Safety	5

### **References**

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Ironworking Level One**, 2011. ISBN: 978-0-13-213714-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Ironworking Level Three**, 2012. ISBN: 978-0-13-257785-4. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Ironworking Level Two**, 2011. ISBN: 978-0-13-257822-6. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Structural Steel Erection Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

<b>Subject Area</b>	<b># Quest.</b>
Plan Reading & Estimating	5
Structural Steel	10
Welding & Cutting	6
Structural Steel-Bolting	4
Metal Decking	6
Metal Buildings	3
Metal Joists & Trusses	5
Rigging and Cranes	6
Safety	5

### **References**

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Ironworking Level One**, 2011. ISBN: 978-0-13-213714-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Ironworking Level Three**, 2012. ISBN: 978-0-13-257785-4. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Ironworking Level Two**, 2011. ISBN: 978-0-13-257822-6. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

## Swimming Pool Construction Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	4
Site Preparation, Excavation and Backfilling	5
Pool Shell Construction	14
Interior Surface Preparation and Finishing	9
Tile, Coping and Trimwork	4
Accessories, Railings, Ladders, Covers & Waterfalls	4
Care and Operation	6
Safety	4

### References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 2017 - Building,** 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Swimming Pools: Design and Construction,** Fourth Edition. ISBN: 978-0419235903. Taylor and Francis, 270 Madison Avenue, New York, NY 10016. Available at [www.amazon.com](http://www.amazon.com).
- **Trade Knowledge.** Prov, 150 W Civic Center Drive, Suite 601, Sandy, UT 84070. This reference is not a book for purchase. This reference represents the general knowledge that a candidate gains through experience in their trade.

## Swimming Pool Construction Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	4
Site Preparation, Excavation and Backfilling	5
Pool Shell Construction	14
Interior Surface Preparation and Finishing	9
Tile, Coping and Trimwork	4
Accessories, Railings, Ladders, Covers & Waterfalls	4
Care and Operation	6
Safety	4

### References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Florida Building Code 5th edition - Building,** 2014. ISBN: Item #:5601L14. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at [www.iccsafe.org](http://www.iccsafe.org).
- **Swimming Pools: Design and Construction,** Fourth Edition. ISBN: 978-0419235903. Taylor and Francis, 270 Madison Avenue, New York, NY 10016. Available at [www.amazon.com](http://www.amazon.com).
- **Trade Knowledge.** Prov, 150 W Civic Center Drive, Suite 601, Sandy, UT 84070. This reference is not a book for purchase. This reference represents the general knowledge that a candidate gains through experience in their trade.

## Swimming Pool Maintenance & Repair Contractor

**Number of Questions** 50  
**Time allowed (hours)** 3

Subject Area	# Quest.
Calculations	6
Circulation	8
Disinfection	8
Filtration	8
Management	7
Repairs	5
Safety	4
Testing	4

### References

- **Florida Administrative Code, Ch. 64E-9, Public Swimming Pools & Bathing Places,** 2009. State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. available at [http://www.floridahealth.gov/environmental-health/swimming-pools/\\_documents/64E-9\\_FAC\\_Draft\\_Rev7\\_no\\_strike.pdf](http://www.floridahealth.gov/environmental-health/swimming-pools/_documents/64E-9_FAC_Draft_Rev7_no_strike.pdf) Candidate printed versions allowed if exam is open book
- **Florida Building Code 2017 - Building,** 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2017 - Residential,** 2017. ISBN: 978-1-60983-692-4. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Pool & Spa Operator Handbook,** 2012. ISBN: 0-9815803-9-5. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. [www.nspf.org](http://www.nspf.org)

## Swimming Pool Maintenance Contractor (Limited)

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Calculations	8
Circulation	10
Disinfection	13
Filtration	13
Management	7
Repairs	4
Safety	10
Testing	10

### References

- **Florida Administrative Code, Ch. 64E-9, Public Swimming Pools & Bathing Places,** 2009. State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. available at [http://www.floridahealth.gov/environmental-health/swimming-pools/\\_documents/64E-9\\_FAC\\_Draft\\_Rev7\\_no\\_strike.pdf](http://www.floridahealth.gov/environmental-health/swimming-pools/_documents/64E-9_FAC_Draft_Rev7_no_strike.pdf) Candidate printed versions allowed if exam is open book
- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

- **Florida Building Code 2020 - Residential**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Pool & Spa Operator Handbook**, 2012. ISBN: 0-9815803-9-5. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. [www.nspf.org](http://www.nspf.org)

## Swimming Pool Maintenance Unlimited

**Number of Questions** 75  
**Time allowed (hours)** 3

Subject Area	# Quest.
Calculations	9
Circulation	10
Disinfection	10
Filtration	14
Management	7
Repairs	5
Safety	10
Testing	10

### References

- **Florida Administrative Code, Ch. 64E-9, Public Swimming Pools & Bathing Places**, 2009. State of Florida, 2600 Blair Stone Road M.S. 3500, Tallahassee, FL 32399. available at [http://www.floridahealth.gov/environmental-health/swimming-pools/\\_documents/64E-9\\_FAC\\_Draft\\_Rev7\\_no\\_strike.pdf](http://www.floridahealth.gov/environmental-health/swimming-pools/_documents/64E-9_FAC_Draft_Rev7_no_strike.pdf) Candidate printed versions allowed if exam is open book
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2020 - Residential**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Pool & Spa Operator Handbook**, 2012. ISBN: 0-9815803-9-5. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. [www.nspf.org](http://www.nspf.org)

## Tennis Court Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	4
Sitework	10
Tennis Courts	12
Tennis Court Accessories	5
Tennis Court Repair, Reconstruction & Renovation	5
Tennis Court Surfacing Systems	6
Fencing	5
Safety	3

### References

- **Damage Prevention Guide**. Sunshine State One Call of Florida, Inc., 11 Plantation Road, DeBary, FL 32713. Available at <http://www.sunshine811.com/> Candidate printed versions permitted in testing room if exam is open book.
- **Florida Building Code 2017 - Building**, 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for General Engineering, 3rd edition**, 2014. ISBN: 978-1-269-78657-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)
- **Tennis Courts A Construction and Maintenance Manual 7th Edition**, 7th. ISBN: 478-1-9860051-1-7. American Sports Builders Association and United States Tennis Association, 8480 Baltimore National Pike #307, Ellicott City, MD 21043. <http://sportsbuilders.org/publications/index.cfm>

## Tile, Terrazzo & Stone Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	4
Substrates	8
Materials	6
Layout & Planning	4
Ceramic Tile Installation	8
Marble Installation	4
Stone Installation	3
Ceramic Tile Replacement & Regrouting	4
Terrazzo	5
Safety	4

### References

- **American National Standards Specifications for the Installation of Ceramic Tile**, Version 2011.1. American National Standards Institute, 25 West 43rd Street, 4th floor, New York, NY 10036. Available at <http://www.tcnatile.com/>.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Q & A: Expert Answers to Technical Questions**. Marble Institute of America, 28901 Clemons Road, Suite 100, Cleveland, OH 44145. Available at [https://associationdatabase.com/aws/MIA/pt/sp/bookstore\\_layout\\_details?get\\_content\\_from\\_session=1&suppress\\_tcssharing=1](https://associationdatabase.com/aws/MIA/pt/sp/bookstore_layout_details?get_content_from_session=1&suppress_tcssharing=1) or <https://www.naturalstoneinstitute.org/>.
- **Residential Stone Countertop Installation**. Marble Institute of America, 28901 Clemons Road, Suite 100, Cleveland, OH 44145. Available at [www.marble-institute.com](http://www.marble-institute.com)
- **Setting Tile**, 1995 copyright. ISBN: 978-1561580804. Taunton Press, 63 South Main Street, P.O. Box 5506, Newtown, CT 06470-5506. Available at [www.taunton.com](http://www.taunton.com).
- **TCNA Handbook for Ceramic, Glass, and Stone Tile Installation**. Tile Council of North America, 100 Clemson Research Blvd., Anderson, SC 29625. Available at [www.tcnatile.com](http://www.tcnatile.com).
- **Terrazzo Specifications and Design Guide**, 1999. National Terrazzo and Mosaic Association, 110 East Market St., Leesburg, VA 20176. Available



at  
[http://naterrazzo.com/documents/Terrazzo\\_Specifications\\_\\_amp\\_\\_Design\\_Guide.pdf](http://naterrazzo.com/documents/Terrazzo_Specifications__amp__Design_Guide.pdf). Candidate printed versions allowed if exam is open book.

- **Tile Your World**, 2003. ISBN: 0-9742754-3-3. Mistflower Press, 6717 Mistflower Lane, Katy, TX 77449. Available at [mistflowerpress.com/index.html](http://mistflowerpress.com/index.html).

## Underground Utilities Contractor

**Number of Questions** 50  
**Time allowed (hours)** 2

Subject Area	# Quest.
Plan Reading & Estimating	6
Survey & Layout	4
Sitework	15
Underground Piping Materials & Fittings	7
Underground Pipe Assembly & Installation	8
Safety	10

### References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [www.provbookstore.com](http://www.provbookstore.com).
- **Installation Guide for Ductile Iron Pipe**, 2015. Ductile Iron Research Association, 245 Riverchase Pkwy East, Ste. O, Birmingham, AL 35244. Available at <http://www.dipra.org/publications/>
- **Study Guide for Utilities Contractors, 2nd edition**, 2014. ISBN: 978-1-269-78571-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com)

## Unlimited Insulation

**Number of Questions** 50  
**Time allowed (hours)** 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Theory	5
Insulation Materials & Accessories	12
Insulation Installation	13
Systems Insulation	10
Safety	5

### References

- **Basic Safety**, 2015. ISBN: 0-13-412901-6. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>
- **Thermal and Moisture Protection**, 2013. ISBN: 0-13-377903-3. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Insulating Level One**, 2018. ISBN: 0-13-413099-5. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>

- **Insulating Level Two**, 2018. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>
- **Insulating Level Three**, 2018. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <https://www.pearson.com/en-us.html>
- **Florida Building Code 2020 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)

## Window & Door

**Number of Questions** 25  
**Time allowed (hours)** 1.5

Subject Area	# Quest.
Building Codes	4
Doors & Windows	14
Plan Reading & Estimating	4
Safety	3

### References

- **Florida Building Code 2017 - Building**, 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Florida Building Code 2017 - Residential**, 2017. ISBN: 978-1-60983-692-4. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Study Guide for Siding & Finish Carpentry**, 2012. ISBN: 978-1-256-61081-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at [www.provbookstore.com](http://www.provbookstore.com).

## Wood Flooring Contractor

**Number of Questions** 25  
**Time allowed (hours)** 1

Subject Area	# Quest.
Flooring Finishing	3
Flooring Installation	6
Flooring Materials & Accessories	4
Troubleshooting	3
Job Preparation	4
Subflooring	5

### References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. [www.iccsafe.org](http://www.iccsafe.org)
- **Wood Flooring: A Complete Guide to Layout, Installation & Finishing**. The Taunton Press, 63 South Main St., P.O. Box 5506, Newton, CT 06470.