

TABLE OF CONTENTS

Miami-Dade County – FL Exam Descriptions.....	1
Building Contractor.....	3
Building Contractor (Haitian Creole)	3
Building Contractor (Spanish)	4
Building Maintenance.....	4
Building Maintenance (2023 edition).....	4
Building Maintenance (Spanish)	5
Building Maintenance Spanish (2023 edition).....	5
Business Procedures, 2nd edition	5
Business Procedures, 2nd edition (Creole).....	6
Business Procedures, 2nd edition (Spanish).....	6
Communications Tower Contractor	6
Demolition (2020 edition).....	6
Demolition (2023 edition).....	7
Demolition Spanish (2020 edition)	7
Demolition Spanish (2023 edition)	8
Drywall	8
Drywall (2023 edition)	8
Drywall (Spanish).....	9
Fence	9
Fence (2023 Edition)	9
Fence (Creole, 2023 Edition)	9
Fence (Spanish)	10
Fence Spanish (2023 edition)	10
General Contractor	10
General Contractor (2023 edition)	11
General Contractor (Spanish).....	11
General Contractor Spanish (2023 edition)	11
Glass & Glazing	12
Glass & Glazing (2023 edition)	12
Glass & Glazing (Spanish).....	12
Glass & Glazing Spanish (2023 edition)	13
Journeyman Air Conditioning	13
Journeyman Air Conditioning (2023 edition)	13
Journeyman Air Conditioning (Spanish)	14
Journeyman Air Conditioning Spanish (2023 edition)	14
Journeyman Burglar Alarm 2020	14
Journeyman Burglar Alarm Spanish (2020 edition)	15

Journeyman Electrician 2020.....	15
Journeyman Electrician 2020.....	15
Journeyman Electrician 2020 (Spanish)	16
Journeyman Electrician 2020 (Spanish)	16
Journeyman Fire Alarm 2020.....	16
Journeyman General Mechanical	16
Journeyman General Mechanical (2023 edition)	17
Journeyman General Mechanical (Spanish)	17
Journeyman General Mechanical Spanish (2023 edition)	18
Journeyman Heating	18
Journeyman Heating (2023 edition)	19
Journeyman Heating (Spanish)	19
Journeyman Heating Spanish (2023 edition)	19
Journeyman Insulation.....	19
Journeyman Insulation (Spanish)	20
Journeyman Plumber	20
Journeyman Plumber (2023 edition)	20
Journeyman Plumber (Spanish).....	21
Journeyman Plumber Spanish (2023 edition)	21
Journeyman Pressure & Process Piping	21
Journeyman Pressure & Process Piping (Spanish).....	22
Journeyman Refrigeration.....	22
Journeyman Room Air Conditioning.....	22
Journeyman Room Air Conditioning (2023 edition)	23
Journeyman Sheet Metal	23
Journeyman Sheet Metal (2023 edition)	24
Journeyman Sign Electrician (2020 edition)	24
Journeyman Sign Electrician Spanish (2020 edition)	24
Journeyman Steam Generating Boiler & Boiler Piping (2023 edition).....	24
Journeyman Steam Generating Boiler & Boiler Piping (2023 edition) Spanish.....	25
Journeyman Warm Air Heating	26
Lathing & Plastering (2023 Edition)	26
Lathing & Plastering (Spanish).....	26
Lathing & Plastering Spanish (2023 edition)	27
Maintenance Electrician (Spanish) 2020	27
Maintenance Electrician 2020	27
Master AC (Limited)	28

Master AC (Limited) (2023 edition).....	28	Metal Awning & Storm Shutter Contractor (2023 edition)	42
Master AC (Limited) (Spanish)	29	Metal Awning & Storm Shutter Contractor (Spanish)	42
Master AC (Limited) Spanish (2023 edition).....	29	Metal Awning & Storm Shutter Contractor Spanish (2023 edition)	42
Master AC (Unlimited).....	29	Metal Decking & Siding	43
Master AC (Unlimited) (Spanish)	30	Metal Decking & Siding (2023 edition)	43
Master AC (Unlimited) Creole (2023 edition).....	30	Metal Decking & Siding (Spanish).....	43
Master AC (Unlimited) Spanish (2023 edition).....	31	Plumbing Maintenance	44
Master Burglar Alarm	31	Plumbing Maintenance (2023 edition)	44
Master Electrician (Spanish) 2020.....	31	Plumbing Maintenance (Spanish).....	44
Master Electrician 2020	32	Plumbing Maintenance Spanish (2023 edition)	45
Master Fire Alarm.....	32	Prestressed, Precast Concrete Erection Contractor	45
Master Fire Alarm (Spanish)	32	Prestressed, Precast Concrete Erection Contractor (Spanish)	45
Master General Mechanical.....	33	Reinforcing Steel Placing Contractor	45
Master General Mechanical (2023 Edition).....	33	Reinforcing Steel Placing Contractor (2023 edition)	46
Master Lawn Sprinkler.....	34	Reinforcing Steel Placing Contractor (Spanish).....	46
Master Lawn Sprinkler (Spanish)	34	Residential Contractor	46
Master Low Voltage (Spanish) 2020.....	35	Residential Contractor (2023 edition).....	47
Master Low Voltage 2020	35	Residential Contractor (Spanish)	47
Master Plumber.....	35	Residential Contractor Spanish (2023 edition)	47
Master Plumber (2023 Edition).....	36	Roofing.....	48
Master Plumber (Spanish)	36	Roofing (Haitian Creole).....	48
Master Plumber (Spanish) (2023 Edition)	36	Roofing (Spanish)	49
Master Refrigeration & Air Conditioning Contractor.....	37	Screen Enclosure	49
Master Refrigeration & Air Conditioning Contractor (Spanish).....	37	Screen Enclosure (2023 edition)	49
Master Sheet Metal.....	37	Screen Enclosure (Spanish).....	50
Master Sheet Metal (Spanish)	38	Structural Steel Erection.....	50
Master Sign Electrician 2020.....	38	Structural Steel Erection (Spanish)	50
Master Sign Electrician 2020 (Spanish)	38	Swimming Pool	51
Master Swimming Pool Maintenance (Limited)	38	Swimming Pool (Spanish)	51
Master Swimming Pool Maintenance (Limited) (Spanish)	39	Unit Masonry, Marble & Exterior Veneer	51
Master Swimming Pool Maintenance (Unlimited)	39	Unit Masonry, Marble & Exterior Veneer Contractor (2023 edition)	52
Master Swimming Pool Maintenance (Unlimited) (Spanish).....	39	Unit Masonry, Marble & Exterior Veneer Contractor (Spanish)	52
Master Swimming Pool Piping	40	Unit Masonry, Marble & Exterior Veneer Contractor Spanish (2023 edition).....	52
Master Swimming Pool Piping (Spanish).....	40		
Mechanical Maintenance	40		
Mechanical Maintenance (2023 edition)	41		
Mechanical Maintenance Spanish (2023 edition)	41		
Metal Awning & Storm Shutter Contractor.....	42		

BUILDING CONTRACTOR

A Building Contractor is a contractor whose contracting business consists of the execution of contracts involving two (2) or more trades, and who has the financial means, and has a qualifying agent with the experience, knowledge and skill to construct and properly supervise, direct and coordinate the constructions and NOT more than three (3) stories in height. This provision shall not prohibit him from engaging in nonstructural interior alterations and repairs to buildings of greater height, or from acting as a subcontractor under the supervision or responsibility of a general contractor in the construction of a structure of a greater height. Such building contractor shall sub-contract to a qualified contractor in the field concerned all other work specified herein as being exclusive work of a plumbing, electrical, mechanical, or liquefied petroleum gas, including the specialties and categories thereunder. A building contractor may construct, contract for, and take out permits for the work of any specialty building contractor within the limits of work of a building contractor as defined herein. Demolition work of such a building contractor shall be limited to the size and scope of buildings or structures which a building contractor is permitted to erect.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	12
Sitework	6
Concrete	10
Masonry	9
Structural Steel	5
Carpentry & Metal Framing	6
Roofing	5
Associated Trades	2
Interior Finishes	4
Exterior Finishes	4
Safety	7
High Wind Zone	5

References

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013, May be replaced by TMS420/602-22**, 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
- **Building Code Requirements and Specification for Masonry Structures, Replaces ACI 530**, 2022. ISBN: 978-1-929081-65-3. The Masonry Society, 105 South Sunset Street, Suite Q, Longmont, CO 80501-6172. This replaces ACI 530. Available at <https://shop.iccsafe.org>
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccerconstructionbooks.com/store/product.aspx?isbn=0136868282> OR <https://provexam.com/bookstore/>.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Masonry Level Three**, 2014. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **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

BUILDING CONTRACTOR (HAITIAN CREOLE)

Building Contractor is a contractor whose services are limited to construction of commercial buildings and single dwelling or multiple dwelling residential buildings, which commercial or residential buildings do not exceed three (3) stories in height, and accessory use structures in connection therewith, or a contractor whose services are limited to remodeling, repair, or improvement of any size building if the services do not affect the structural members of the building and has a qualifying agent with the experience, knowledge, and skill gained by not less than four (4) years' experience for a State of Florida certified or registered general, general building, building or sub-general contractor with at least one (1) year as either a superintendent or foreman or has an accredited college-level education in a construction related field equivalent thereto, or any combination thereof, with at least one year of proven experience as a superintendent or foreman and who has satisfactorily passed a building contractors' examination. A building contractor may construct, contract for, and take out permits for the work of any specialty building contractor subject to the limitations contained herein.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	9
Sitework	5
Concrete	12
Masonry	8
Structural Steel	4
Carpentry & Metal Framing	10
Roofing	4
Associated Trades	3
Interior Finishes	4
Exterior Finishes	4
Safety	7
Hurricane Zone Building Contractor	5

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
- **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 2017 - Building**, 2017. ISBN: 978-1-60983-687-0. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Masonry Level Three**, 2014. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **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

BUILDING CONTRACTOR (SPANISH)

Building Contractor is a contractor whose services are limited to construction of commercial buildings and single dwelling or multiple dwelling residential buildings, which commercial or residential buildings do not exceed three (3) stories in height, and accessory use structures in connection therewith, or a contractor whose services are limited to remodeling, repair, or improvement of any size building if the services do not affect the structural members of the building and has a qualifying agent with the experience, knowledge, and skill gained by not less than four (4) years' experience for a State of Florida certified or registered general, general building, building or sub-general contractor with at least one (1) year as either a superintendent or foreman or has an accredited college-level education in a construction related field equivalent thereto, or any combination thereof, with at least one year of proven experience as a superintendent or foreman and who has satisfactorily passed a building contractors' examination. A building contractor may construct, contract for, and take out permits for the work of any specialty building contractor subject to the limitations contained herein.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	9
Sitework	5
Concrete	12
Masonry	8
Structural Steel	4
Carpentry & Metal Framing	10
Roofing	4
Associated Trades	3
Interior Finishes	4
Exterior Finishes	4
Safety	7
Hurricane Zone Building Contractor	5

References

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013, May be replaced by TMS420/602-22**, 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
- **Building Code Requirements and Specification for Masonry Structures, May replace ACI 530**, 2022. ISBN: 978-1-929081-65-3. The Masonry Society, 105 South Sunset Street, Suite Q, Longmont, CO 80501-6172. This replaces ACI 530. Available at <https://shop.iccsafe.org>
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccerconstructionbooks.com/store/product.aspx?isbn=0136868282> OR <https://provexam.com/bookstore/>
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

- **Masonry Level Three**, 2014. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **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

BUILDING MAINTENANCE

A Building Maintenceman is a person qualified and certified by examination to maintain buildings and structures owned or occupied by the person, firm or corporation by which the building maintenanceman is regularly employed. The work of a building maintenanceman shall be confined to the erection, repair or relocation of nonbearing interior partitions, painting, the patching of stucco and plaster, the repair of floors of all types, the repair of cabinets and counters of wood, metal or plastic, the repair of awnings and canopies, the repair of wall and floor tile. A building maintenanceman may make only repairs to bearing walls, both interior and exterior, and roofing work shall be limited to stoppage of leaks. A building maintenanceman shall not make addition to or change the outline of any building or structure, and the work of a building maintenanceman shall not include plumbing, electrical, mechanical or liquefied petroleum gas work of any kind.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Concrete	4
Carpentry	14
Doors & Windows	4
Drywall	6
Painting	12
Interior Finishes	6
Exterior Finishes	6
Thermal & Moisture Protection	3
Safety	9
Hurricane Zones for Building Maintenance	11

References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **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>.
- **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

BUILDING MAINTENANCE (2023 EDITION)

(UPDATED TO 2023 CODE) Tests a candidate's knowledge of the performance of maintenance and repair of existing buildings and structures including the application or installation of drywall, plaster, wood, and paint. Exam does not include mechanical, plumbing, electrical, or roofing components.

Number of Questions	75
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Time allowed (hours)	3
Subject Area	# Quest.
Concrete	4
Carpentry	14
Doors & Windows	4
Drywall	6
Painting	12
Interior Finishes	6
Exterior Finishes	6
Thermal & Moisture Protection	3
Safety	9
High Wind Zones for Building Maintenance	11

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **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>.
- **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

BUILDING MAINTENANCE (SPANISH)

A Building Maintenance man is a person qualified and certified by examination to maintain buildings and structures owned or occupied by the person, firm or corporation by which the building maintenance man is regularly employed. The work of a building maintenance man shall be confined to the erection, repair or relocation of nonbearing interior partitions, painting, the patching of stucco and plaster, the repair of floors of all types, the repair of cabinets and counters of wood, metal or plastic, the repair of awnings and canopies, the repair of wall and floor tile. A building maintenance man may make only repairs to bearing walls, both interior and exterior, and roofing work shall be limited to stoppage of leaks. A building maintenance man shall not make addition to or change the outline of any building or structure, and the work of a building maintenance man shall not include plumbing, electrical, mechanical or liquefied petroleum gas work of any kind.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Concrete	4
Carpentry	14
Doors & Windows	4
Drywall	6
Painting	12
Interior Finishes	6
Exterior Finishes	6
Thermal & Moisture Protection	3
Safety	9
Hurricane Zones for Building Maintenance	11

References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **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>.
- **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

BUILDING MAINTENANCE SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) Tests a candidate's knowledge of the performance of maintenance and repair of existing buildings and structures including the application or installation of drywall, plaster, wood, and paint. Exam does not include mechanical, plumbing, electrical, or roofing components.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Concrete	4
Carpentry	14
Doors & Windows	4
Drywall	6
Painting	12
Interior Finishes	6
Exterior Finishes	6
Thermal & Moisture Protection	3
Safety	9
Hurricane Zones for Building Maintenance	11

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **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>.
- **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

BUSINESS PROCEDURES, 2ND EDITION

Tests a candidate's knowledge of payroll taxes, workers' compensation, unemployment compensation, lien laws and other laws or subjects that will affect their daily operations as contractors.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Business Organization	3
Licensing	3
Lien laws	4
Tax Laws	5
Safety OSHA	8
Labor Laws	8
Contract Management	10
Project Management	8

Estimating & Bidding	6
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. Candidate printed versions permitted in testing room if exam is open ...
- **FLORIDA - NASCLA Contractors Guide to Business, Law and Project Management, *Updated to the 2nd edition***, 2nd. NASCLA, 23309 N. 17th Drive, Building 1, Unit 110, Phoenix, AZ 85027.

BUSINESS PROCEDURES, 2ND EDITION (CREOLE)

Tests a candidate's knowledge of payroll taxes, workers' compensation, unemployment compensation, lien laws and other laws or subjects that will affect their daily operations as contractors.

*This exam uses the second edition of FLORIDA - NASCLA Contractors Guide to Business, Law and Project Management.

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, *Updated to the 2nd edition***, 2nd. NASCLA, 23309 N. 17th Drive, Building 1, Unit 110, Phoenix, AZ 85027.

BUSINESS PROCEDURES, 2ND EDITION (SPANISH)

Tests a candidate's knowledge of payroll taxes, workers' compensation, unemployment compensation, lien laws and other laws or subjects that will affect their daily operations as contractors.

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. 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.

COMMUNICATIONS TOWER CONTRACTOR

This exam tests a candidate's knowledge of the skills required to erect structural steel structures and plates, including minor field fabrication of any profile, perimeter, or cross-section used as a structural member. Skills covered include the riveting, welding, or rigging of steel joists, steel decking, and siding for communication towers.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	7
Structural Steel	15
Welding & Cutting	10
Structural Steel-Bolting	6
Metal Decking	6
Metal Buildings	4
Metal Joists & Trusses	11
Rigging and Cranes	11
Safety	5

References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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>.

DEMOLITION (2020 EDITION)

A Demolition Contractor is a contractor qualified and certified to demolish, wreck or disassemble buildings or other structures or parts thereof and remove the debris there from in such a manner that adjoining structures and properties and parts thereof and workmen and other persons may be kept safe.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Interpretation	10
Structural Concrete	8
Structural Masonry	6
Structural Framing	5
Structural Steel	7
Blasting	6
Rigging and Cranes	22
Safety	11

References

- **Carpentry Level One, 2013 edition**, 2013. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. 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
- **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.
- **Masonry Level One**, 2013. ISBN: 0133402487. 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.

DEMOLITION (2023 EDITION)

Tests a candidate's knowledge of demolition and removal of structures and buildings. Tests a candidate's knowledge of demolition of structural steel, structural concrete, masonry and structural wood framing. Emphasis on cranes and crane safety as well as explosives and explosive safety. Focuses on interpreting plans and understanding of how components of various structures are assembled. Covers single and multi-story buildings and structures of the types mentioned above.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Interpretation	10
Structural Concrete	8
Structural Masonry	6
Structural Framing	5
Structural Steel	7
Blasting	6
Rigging and Cranes	22
Safety	11

References

- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **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 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.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.
- **Masonry Level One**, 2013. ISBN: 0133402487. 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.

DEMOLITION SPANISH (2020 EDITION)

This exam tests a candidate's knowledge of the skills required to demolish, wreck, or disassemble buildings and other structures. Licensees will also remove debris and ensure safety.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Interpretation	10
Structural Concrete	8
Structural Masonry	6
Structural Framing	5
Structural Steel	7
Blasting	6
Rigging and Cranes	22
Safety	11

References

- **Carpentry Level One, 2013 edition**, 2013. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. 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
- **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.
- **Masonry Level One,** 2013. ISBN: 0133402487. 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.

DEMOLITION SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) Tests a candidate's knowledge of demolition and removal of structures and buildings. Tests a candidate's knowledge of demolition of structural steel, structural concrete, masonry and structural wood framing. Emphasis on cranes and crane safety as well as explosives and explosive safety. Focuses on interpreting plans and understanding of how components of various structures are assembled. Covers single and multi-story buildings and structures of the types mentioned above

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Interpretation	10
Structural Concrete	8
Structural Masonry	6
Structural Framing	5
Structural Steel	7
Blasting	6
Rigging and Cranes	22
Safety	11

References

- **Carpentry Level One, 2022 edition,** 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **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>
- **Florida Building Code 2023 - Building,** 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.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.
- **Masonry Level One,** 2013. ISBN: 0133402487. 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.

DRYWALL

A Drywall is qualified and certified to install gypsum drywall products to studs, joists and suspended ceiling channels and to fabricate and

install metal accessories and all necessary trim in connection therewith including metal studs, runners, hangers, channels, drywall metal suspension accessories and prefabricated ceiling materials, provided that any plaster work or trowelled material, application of block or wood partitions shall not be a part of the scope of such work.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Construction Materials & Methods	10
Thermal & Moisture Protection	5
Drywall Installation	12
Drywall Finishing	12
Steel Framing	12
Exterior Cladding	7
Interior Specialties & Finishes	5
Safety	5

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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

DRYWALL (2023 EDITION)

Tests a candidate's knowledge of installation of gypsum drywall products to wood and metal studs, wood and steel joists, and metal runners, including the preparation of the surface over which the drywall product is to be applied, and the placement of metal studs, runners, and all necessary trim.

Number of Questions 75
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	7
Construction Materials & Methods	10
Thermal & Moisture Protection	5
Drywall Installation	12
Drywall Finishing	12
Steel Framing	12
Exterior Cladding	7
Interior Specialties & Finishes	5
Safety	5

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

DRYWALL (SPANISH)

A Drywall is qualified and certified to install gypsum drywall products to studs, joists and suspended ceiling channels and to fabricate and install metal accessories and all necessary trim in connection therewith including metal studs, runners, hangers, channels, drywall metal suspension accessories and prefabricated ceiling materials, provided that any plaster work or trowelled material, application of block or wood partitions shall not be a part of the scope of such work.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Construction Materials & Methods	10
Thermal & Moisture Protection	5
Drywall Installation	12
Drywall Finishing	12
Steel Framing	12
Exterior Cladding	7
Interior Specialties & Finishes	5
Safety	5

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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

FENCE

A Fence Contractor is a contractor qualified and certified to fabricate, assemble, erect and install fences of masonry, wire, concrete, wood and other fence materials, in such manner that an acceptable fence can be erected complying with applicable regulations including zoning regulations.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Layout & General Math	11
Wood Fencing	15
Masonry Fencing	14
Metal & Chain Link Fencing	12

Safety	12
Hurricane zone Fencing	4

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

FENCE (2023 EDITION)

A Fence Contractor is a contractor qualified and certified to fabricate, assemble, erect and install fences of masonry, wire, concrete, wood and other fence materials, in such manner that an acceptable fence can be erected complying with applicable regulations including zoning regulations.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Layout & General Math	11
Wood Fencing	15
Masonry Fencing	14
Metal & Chain Link Fencing	12
Safety	12
Hurricane zone Fencing	4

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

FENCE (CREOLE, 2023 EDITION)

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Layout & General Math	11
Wood Fencing	15
Masonry Fencing	14
Metal & Chain Link Fencing	12
Safety	12
Hurricane zone Fencing	4

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

FENCE (SPANISH)

A Fence Contractor is a contractor qualified and certified to fabricate, assemble, erect and install fences of masonry, wire, concrete, wood and other fence materials, in such manner that an acceptable fence can be erected complying with applicable regulations including zoning regulations.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	7
Layout & General Math	11
Wood Fencing	15
Masonry Fencing	14
Metal & Chain Link Fencing	11
Safety	12
Hurricane zone Fencing	5

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **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.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org

FENCE SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) Tests a candidate's knowledge of fencing installation.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	7
Layout & General Math	11
Wood Fencing	13
Masonry Fencing	16
Metal & Chain Link Fencing	11
Safety	12
Hurricane zone Fencing	5

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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.

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

GENERAL CONTRACTOR

General Contractor is a contractor whose services are unlimited as to the type of work, height, area or complexity of construction, and has a qualifying agent with the experience, knowledge and skill gained by not less than four (4) years' experience for a State of Florida certified or registered general contractor with at least one (1) year as either a superintendent or foreman or four (4) years' experience as a State of Florida certified or registered building contractor or sub-general contractor or has an accredited college-level education in a construction-related field equivalent thereto, or any combination thereof, with at least one year of proven experience as a superintendent or foreman and who has satisfactorily passed a general contractors' examination. A general contractor may do, contract for, and take out permits for the work of any specialty building contractor subject to the limitations contained herein.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	10
Sitework	6
Concrete	10
Masonry	5
Structural Steel	10
Carpentry & Metal Framing	9
Roofing	4
Associated Trades	3
Interior Finishes	5
Exterior Finishes	5
Safety	4
Hurricane Zone Building Contractor	4

References

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013, May be replaced by TMS420/602-22**, 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
- **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> OR <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=0136868282> OR <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
- **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

GENERAL CONTRACTOR (2023 EDITION)

Tests a candidate's knowledge of the construction, repair, alteration, remodeling, addition to, subtraction from, improvement, and demolition of any building or structure including related improvements to real estate excluding electrical, mechanical, plumbing, and liquefied petroleum gas work related thereto.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	10
Sitework	5
Concrete	10
Masonry	5
Structural Steel	10
Carpentry & Metal Framing	10
Roofing	4
Associated Trades	2
Interior Finishes	5
Exterior Finishes	5
Safety	4
Hurricane Zone Building Contractor	5

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
- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nccerconstructionbooks.com/store/product.aspx?isbn=0136868282> OR <https://provexam.com/bookstore/>.
- **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 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

GENERAL CONTRACTOR (SPANISH)

General Contractor is a contractor whose services are unlimited as to the type of work, height, area or complexity of construction, and has a qualifying agent with the experience, knowledge and skill gained by not less than four (4) years' experience for a State of Florida certified or registered general contractor with at least one (1) year as either a superintendent or foreman or four (4) years' experience as a State of Florida certified or registered building contractor or sub-general contractor or has an accredited college-level education in a construction-related field equivalent thereto, or any combination thereof, with at least one year of proven experience as a superintendent or foreman and who has satisfactorily passed a

general contractors' examination. A general contractor may do, contract for, and take out permits for the work of any specialty building contractor subject to the limitations contained herein.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	10
Sitework	5
Concrete	10
Masonry	5
Structural Steel	10
Carpentry & Metal Framing	10
Roofing	4
Associated Trades	2
Interior Finishes	5
Exterior Finishes	5
Safety	4
Hurricane Zone Building Contractor	5

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
- **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
- **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

GENERAL CONTRACTOR SPANISH (2023 EDITION)

Tests a candidate's knowledge of the construction, repair, alteration, remodeling, addition to, subtraction from, improvement, and demolition of any building or structure including related improvements to real estate excluding electrical, mechanical, plumbing, and liquefied petroleum gas work related thereto.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	10
Sitework	5
Concrete	10
Masonry	5
Structural Steel	10
Carpentry & Metal Framing	10
Roofing	4
Associated Trades	2
Interior Finishes	5
Exterior Finishes	5
Safety	4

- **GANA Sealant Manual**, 2008. Glass Association of North America, 800 SW Jackson Street, STE. 1500, Ste. A, Topeka, KS 66612-1200.

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
- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. <http://nconstructionbooks.com/store/product.aspx?isbn=0136868282> OR <https://proexam.com/bookstore/>.
- **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 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

GLASS & GLAZING

A Glass and Glazing is qualified and certified to fabricate, install and attach windows of any type, fixed or movable, and swinging or sliding glass doors to building walls or columns erected by others including installation of glass-holding or supporting mullions or horizontal bars which in turn are attached to building walls or columns erected by others, including the cutting and installation of glass, and shall also include metal accessories and prefabricated glass, metal or plastic curtain walls or panels. The scope of work shall include the caulking incidental to all such work and shall include the fabrication and installation of garage and industrial doors and shower and tub enclosure doors and metal fascias, store front awnings or canopies.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Glass & Glazing	18
Plastic & Glazing	4
Sealants	15
Curtain Walls	8
Structural Glazing Systems	5
Bath Enclosures & Mirrors	6
Safety	7
Hurricane Zone Glass and Glazing.	7

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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.

GLASS & GLAZING (2023 EDITION)

(UPDATED TO 2023 CODE) Those who are qualified to select, cut, assemble, and install all makes and kinds of glass and glasswork and execute the glazing of frames, panels, sash and door and holding metal frames, ornamental decoration, mirrors, tub and shower enclosures.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Glass & Glazing	18
Plastic & Glazing	4
Sealants	15
Curtain Walls	8
Structural Glazing Systems	5
Bath Enclosures & Mirrors	6
Safety	7
Hurricane Zone Glass and Glazing.	7

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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/>
- **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.
- **GANA Sealant Manual**, 2008. Glass Association of North America, 800 SW Jackson Street, STE. 1500, Ste. A, Topeka, KS 66612-1200.

GLASS & GLAZING (SPANISH)

A Glass and Glazing is qualified and certified to fabricate, install and attach windows of any type, fixed or movable, and swinging or sliding glass doors to building walls or columns erected by others including installation of glass-holding or supporting mullions or horizontal bars which in turn are attached to building walls or columns erected by others, including the cutting and installation of glass, and shall also include metal accessories and prefabricated glass, metal or plastic curtain walls or panels. The scope of work shall include the caulking incidental to all such work and shall include the fabrication and installation of garage and industrial doors and shower and tub enclosure doors and metal fascias, store front awnings or canopies.

Number of Questions 74
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Glass & Glazing	18
Plastic & Glazing	4
Sealants	15
Curtain Walls	7
Structural Glazing Systems	5

Bath Enclosures & Mirrors	6
Safety	7
Hurricane Zone Glass and Glazing.	7

References

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

GLASS & GLAZING SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) Those who are qualified to select, cut, assemble, and install all makes and kinds of glass and glasswork and execute the glazing of frames, panels, sash and door and holding metal frames, ornamental decoration, mirrors, tub and shower enclosures.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	5
Glass & Glazing	18
Plastic & Glazing	4
Sealants	15
Curtain Walls	8
Structural Glazing Systems	5
Bath Enclosures & Mirrors	6
Safety	7
Hurricane Zone Glass and Glazing.	7

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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/>
- **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.
- **GANA Sealant Manual,** 2008. Glass Association of North America, 800 SW Jackson Street, STE. 1500, Ste. A, Topeka, KS 66612-1200.

JOURNEYMAN AIR CONDITIONING

A Journeyman Air Conditioning may only work in the employ of an Air Conditioning Contractor (Unlimited) holding a certificate of competency to install, repair, alter, add to or change any system of air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all duct systems necessary to make complete an air conditioning system and including the installation of a condensate drain from an air conditioning unit to an existing safe waste or other

approved disposal other than a direct connection to a sanitary disposal system; provided that boilers or unfired pressure vessels shall not be a part of the scope of work.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	20
Piping	8
Systems & Sizing	20
Equipment	8
Maintenance	15
Plan Reading	4

References

- **Advanced Mechanical Study Guide , 2nd edition,** 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Florida Building Code 2020 - Building,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **Florida Building Code 2020 - Mechanical,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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.
- **Intermediate Mechanical Study Guide,** 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN AIR CONDITIONING (2023 EDITION)

Qualified to install, maintain, repair, alter, fabricate or extend air conditioning, refrigeration systems, piping vessels, warm air heating, low pressure boilers, ventilation systems, duct systems, insulation, and related appurtenances within a complete system unlimited in horsepower or tonnage.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	15
Piping	8
Systems & Sizing	20
Equipment	7
Maintenance	16
Plan Reading	9

References

- **Advanced Mechanical Study Guide , 2nd edition,** 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>

- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN AIR CONDITIONING (SPANISH)

A Journeyman Air Conditioning may only work in the employ of an Air Conditioning Contractor (Unlimited) holding a certificate of competency to install, repair, alter, add to or change any system of air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all duct systems necessary to make complete an air conditioning system and including the installation of a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided that boilers or unfired pressure vessels shall not be a part of the scope of work.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	21
Piping	8
Systems & Sizing	19
Equipment	8
Maintenance	15
Plan Reading	4

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN AIR CONDITIONING SPANISH (2023 EDITION)

Qualified to install, maintain, repair, alter, fabricate or extend air conditioning, refrigeration systems, piping vessels, warm air heating, low pressure boilers, ventilation systems, duct systems, insulation, and related appurtenances within a complete system unlimited in horsepower or tonnage.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	15
Piping	8
Systems & Sizing	20
Equipment	7
Maintenance	16
Plan Reading	9

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN BURGLAR ALARM 2020

Journeyman shall mean any person who possesses the required skill, knowledge, and experience as evidenced by three (3) years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half (1/2) of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft. There shall be at least one (1) journeyman for every three (3) trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified. It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code. A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing, and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid as established in this chapter and as required by the board through written rules or regulations commencing October 1, 1995.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Electrical Knowledge	9
Intrusion Detection	20
Acoustical Installation	24
Notification Appliances & Signaling Circuits	16
Power Supplies	4
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.

JOURNEYMAN BURGLAR ALARM SPANISH (2020 EDITION)

Journeyman shall mean any person who possesses the required skill, knowledge, and experience as evidenced by three (3) years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half (1/2) of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft. There shall be at least one (1) journeyman for every three (3) trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified. It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code. A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing, and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid as established in this chapter and as required by the board through written rules or regulations commencing October 1, 1995.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Electrical Knowledge	9
Intrusion Detection	20
Acoustical Installation	24
Notification Appliances & Signaling Circuits	16
Power Supplies	4
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.

JOURNEYMAN ELECTRICIAN 2020

A Journeyman Electrician is qualified and tested to perform work in the electrical trades while employed by a Master Electrician.

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.

JOURNEYMAN ELECTRICIAN 2020

A Journeyman Electrician is qualified and tested to perform work in the electrical trades while employed by a Master Electrician.

Number of Questions	70
Time allowed (hours)	3

Subject Area	# Quest.
Communication Systems	4
Equipment for General Use	6
General Electrical Theory & Principles	10
Motors & Controls	3
Special Conditions	2
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.

JOURNEYMAN ELECTRICIAN 2020 (SPANISH)

This exam tests a candidate's knowledge of the skills needed to work as a journeyman under a certified electrical contractor. Skills provided may include the installation, repair, and alteration of electrical wires, fixtures, appliances, apparatus, raceways, and conduits, among others. Work must comply with all applicable plans, specifications, codes, laws, and regulations for electrical trades.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Communication Systems	4
Equipment for General Use	6
General Electrical Theory & Principles	10
Motors & Controls	5
Plan Reading	3
Special Conditions	3
Special Equipment	4
Special Occupancies	2
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.

JOURNEYMAN ELECTRICIAN 2020 (SPANISH)

A Journeyman Electrician is qualified and tested to perform work in the electrical trades while employed by a Master Electrician.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Communication Systems	5
Equipment for General Use	7
General Electrical Theory & Principles	12
Motors & Controls	3
Plan Reading	4
Special Conditions	3
Special Equipment	2
Special Occupancies	3
Wiring & Protection	13
Wiring Methods & Materials	23

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.

JOURNEYMAN FIRE ALARM 2020

This exam tests a candidate's knowledge of the skills needed to work as a journeyman under a certified fire alarm contractor. Skills provided may include the installation, repair, or alteration of electrically charged systems that detect, prevent, or control fire, noxious gases, liquids, or atomic radiation. Systems shall include conductors, raceways, radio frequency carriers, laser beams, light beams, and sonic beams, among others. Fire alarm specialty electrical contractors may connect to an existing separate circuit, of approved capacity, which terminates in an approved outlet, junction box, or fused disconnect switch within six feet of the equipment to be energized.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Electrical Knowledge	12
Initiating Devices	18
Installation Requirements Electrical	18
Notification Appliances & Signaling Circuits	15
Systems Testing	11
Supervisory Stations	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.
- **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.
- **NFPA 72 - National Fire Alarm and Signaling Code**, 2019. 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.

JOURNEYMAN GENERAL MECHANICAL

A Journeyman General Mechanical may only work in the employ of an General Mechanical Contractor holding a certificate of competency; to install, maintain, repair, alter or extend air conditioning, refrigeration, heating, ventilating, boiler and unfired pressure vessel systems, and all appurtenances, apparatus or equipment used in connection therewith; also, piping, duct work, insulation of pipes, vessels and ducts, pressure and process piping, installation of chilled water lines and related work incidental thereto, pneumatic control piping, gasoline tank and pump installations, piping for gasoline tank and pump installations, fire sprinkler systems and standpipes, air piping, vacuum line piping, oxygen lines, nitrous oxide piping, ink and chemical lines, fuel transmission lines, mechanical sections of sewage disposal and water treatment plants and installing a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary system, all in such a manner as to comply with all plans, specifications, codes, laws and regulations applicable; including any excavation work

incidental thereto, such as but not limited to liquefied petroleum or natural gas fuel lines within buildings, potable water lines, or connections thereto, sanitary sewer lines, swimming pool piping and filters and electrical work; also including the work of a specialty mechanical contractor, except for elevator and transporting assembly installations.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	12
Piping	9
Equipment	14
Maintenance	13
Plan Reading	7
Systems & Sizing	20

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN GENERAL MECHANICAL (2023 EDITION)

(UPDATED TO 2023 CODE) Journeyman General Mechanical: The term Journeyman shall mean any person who possesses the required skill, knowledge and experience, as evidenced by three (3) years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half (1/2) of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft. There shall be at least one (1) journeyman for every three (3) trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified. It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code. In addition, any work in the trade concerned on any such job site wherein journeymen are not provided in accordance with this section shall be stopped by the

enforcing agency or administrative agency concerned until journeymen are so provided. Further, any person working at a trade which requires journeymen on the job site where no journeyman or master in the trade concerned is present shall be in violation of this chapter and subject to the penalties provided herein, and provided under Section 1-5 of this Code. A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid as established in this chapter and as required by the board through written rules or regulations commencing October 1, 1995.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	15
Piping	10
Equipment	16
Maintenance	12
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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **HVAC Level 2 2013**, 2013. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **HVAC Level 3 2013**, 2013. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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

JOURNEYMAN GENERAL MECHANICAL (SPANISH)

A Journeyman General Mechanical may only work in the employ of an General Mechanical Contractor holding a certificate of competency; to install, maintain, repair, alter or extend air conditioning, refrigeration, heating, ventilating, boiler and unfired pressure vessel systems, and all appurtenances, apparatus or equipment used in connection therewith; also, piping, duct work, insulation of pipes, vessels and ducts, pressure and process piping, installation of chilled water lines and related work incidental thereto, pneumatic control piping, gasoline tank and pump installations, piping for gasoline tank and

pump installations, fire sprinkler systems and standpipes, air piping, vacuum line piping, oxygen lines, nitrous oxide piping, ink and chemical lines, fuel transmission lines, mechanical sections of sewage disposal and water treatment plants and installing a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connect

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	12
Piping	9
Equipment	14
Maintenance	13
Plan Reading	9
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.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN GENERAL MECHANICAL SPANISH (2023 EDITION)

Journeyman General Mechanical: The term Journeyman shall mean any person who possesses the required skill, knowledge and experience, as evidenced by three (3) years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half (1/2) of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft. There shall be at least one (1) journeyman for every three (3) trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified. It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code. In addition, any work in the trade concerned on any such job site wherein journeymen are not provided in accordance with this section shall be stopped by the enforcing

agency or administrative agency concerned until journeymen are so provided. Further, any person working at a trade which requires journeymen on the job site where no journeyman or master in the trade concerned is present shall be in violation of this chapter and subject to the penalties provided herein, and provided under Section 1-5 of this Code. A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid as established in this chapter and as required by the board through written rules or regulations commencing October 1, 1995.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	15
Piping	10
Equipment	16
Maintenance	12
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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **HVAC Level 2 2013**, 2013. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **HVAC Level 3 2013**, 2013. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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

JOURNEYMAN HEATING

A Journeyman Heating may only work in the employ of a Heating Contractor holding a certificate of competency to install, maintain, repair, alter, add to or change systems of heating, whether by water, steam or hot air furnaces and all appurtenances and duct work used in conjunction therewith.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
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General Knowledge	21
Piping	15
Systems & Sizing	16
Equipment	9
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
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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.
- **HVAC Level Three**, 2008. ISBN: 978-0-13-604492-5. 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.

JOURNEYMAN HEATING (2023 EDITION)

(UPDATED TO 2023 CODE) This exam tests a candidate's knowledge of the skills required to install, maintain, repair, fabricate, alter, and extend heating systems while under the employ of a certified heating specialist. Systems covered include hot water, low pressure steam, and warm air furnace systems.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	21
Piping	15
Systems & Sizing	16
Equipment	9
Maintenance	9
Plan Reading	5

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **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>.

- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN HEATING (SPANISH)

Number of Questions	0
Time allowed (hours)	0

Subject Area	# Quest.
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References

JOURNEYMAN HEATING SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) This exam tests a candidate's knowledge of the skills required to install, maintain, repair, fabricate, alter, and extend heating systems while under the employ of a certified heating specialist. Systems covered include hot water, low pressure steam, and warm air furnace systems.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	22
Piping	15
Systems & Sizing	17
Equipment	9
Maintenance	8
Plan Reading	4

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **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>.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN INSULATION

A Journeyman Insulation may only work in the employ of an Insulation Contractor holding a certificate of competency to install, maintain, repair, alter or extend any insulation primarily installed to prevent loss or gain of heat from internal or external sources in pipes, vessels, ducts or in built-up refrigerated boxes or rooms, and such installations to include any protective coating thereof involved with insulation.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Code Compliance	10
Insulation	45
Safety	20

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 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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 Three**, 2018. 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>

JOURNEYMAN INSULATION (SPANISH)

This exam tests a candidate's knowledge of the skills required to install, maintain, repair, fabricate, alter, and extend insulation while under the employ of a certified insulation contractor. Primary skills covered will include the prevention of heat loss or gain from internal or external sources in pipes, vessels, ducts, or built-up refrigerated areas.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Code Compliance	10
Insulation	45
Safety	20

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 - Energy Conservation**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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>
- **Insulating Level Three**, 2018. 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>

JOURNEYMAN PLUMBER

A Journeyman Plumber may only work in the employ of a Plumbing Contractor holding a certificate of competency to install, maintain, repair, alter or extend plumbing, septic tanks, drainage and supply wells, swimming pool and piping or solar heating systems and all appurtenances, apparatus or equipment used in connection therewith, including boilers and pressure and process piping and

including the installation of water, gas, storm and sanitary sewer lines, and for the mechanical installation of gas, water and sewage plants and substations. The scope shall also include the installation, maintenance, repair, alteration or extension of air piping, vacuum line piping, oxygen line piping, nitrous oxide piping, fire line standpipes and fire sprinklers to the extent allowed by law, up to five (5) sprinkler heads out of potable water lines, ink and chemical lines, gasoline piping and tank and pump installation (excepting bulk storage plants) and pneumatic control piping systems. The scope of work does not include the installation of chilled water lines or related work incidental thereto.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Drain, Waste & Vent Systems	10
Fixtures & Fittings	5
General Knowledge	8
Isometrics & Plan Reading	7
Plumbing Math	10
Storm & Roof Drainage	5
Water Heaters	8
Water Supply and Distribution	8
Safety	7
Fuel Gas Systems	6
Hurricane zone items for Plumbing	1

References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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

JOURNEYMAN PLUMBER (2023 EDITION)

(UPDATED TO 2023 CODE) Perform work under the supervision and in the employ of a state certified plumber or a locally licensed master plumber.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Drain, Waste & Vent Systems	11
Fixtures & Fittings	8
General Knowledge	10
Isometrics & Plan Reading	8
Plumbing Math	5
Storm & Roof Drainage	7
Water Heaters	8
Water Supply and Distribution	11
Safety	7

References

- **Florida Building Code 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

JOURNEYMAN PLUMBER (SPANISH)

A Journeyman Plumber may only work in the employ of a Plumbing Contractor holding a certificate of competency to install, maintain, repair, alter or extend plumbing, septic tanks, drainage and supply wells, swimming pool and piping or solar heating systems and all appurtenances, apparatus or equipment used in connection therewith, including boilers and pressure and process piping and including the installation of water, gas, storm and sanitary sewer lines, and for the mechanical installation of gas, water and sewage plants and substations. The scope shall also include the installation, maintenance, repair, alteration or extension of air piping, vacuum line piping, oxygen line piping, nitrous oxide piping, fire line standpipes and fire sprinklers to the extent allowed by law, up to five (5) sprinkler heads out of potable water lines, ink and chemical lines, gasoline piping and tank and pump installation (excepting bulk storage plants) and pneumatic control piping systems.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Drain, Waste & Vent Systems	10
Fixtures & Fittings	5
General Knowledge	8
Isometrics & Plan Reading	9
Plumbing Math	5
Storm & Roof Drainage	8
Water Heaters	5
Water Supply and Distribution	11
Safety	7
Fuel Gas Systems	4
High wind zone items for Plumbing	3

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

JOURNEYMAN PLUMBER SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) Perform work under the supervision and in the employ of a state certified plumber or a locally licensed master plumber.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Drain, Waste & Vent Systems	11
Fixtures & Fittings	8
General Knowledge	10
Isometrics & Plan Reading	8
Plumbing Math	5
Storm & Roof Drainage	7
Water Heaters	8
Water Supply and Distribution	11
Safety	7

References

- **Florida Building Code 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

JOURNEYMAN PRESSURE & PROCESS PIPING

A Pressure and Process Piping Journeyman may only work in the employ of a Pressure and Process Piping Contractor holding a certificate of competency to install, maintain, repair, alter or extend any systems of piping, tubing, vessels, containers, pumps, apparatus, and appurtenances, in connection with such pressure piping used for circulation, transporting, holding or processing of any gas, vapor, fluid, liquid, semi-liquid or any combination thereof; provided, however that boilers, boiler piping as defined by the Boiler and Pressure Vessel Code (1965) of the American Society of Mechanical Engineers, piping used to convey potable water, sanitary sewage, liquefied petroleum, manufactured or natural gas or refrigeration, air conditioning, and comfort heating piping shall NOT be a part of the scope of such work..

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Code Compliance	14
Controls	4
Piping	37
Maintenance and Service	7
Safety	13

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Code of Federal Regulations, Title 29. Part 1910**, 2012. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at www.gpo.gov. Candidate printed versions allowed if exam is open book. Also available at <http://www.provbookstore.com>
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Pipefitting Level Four**, 2007. ISBN: 978-0-13-614429-8. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

- **Pipefitting Level Three**, 2007. ISBN: 978-0-13-227284-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Pipefitting Level Two**, 2006. ISBN: 978-0-13-227314-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Process Control Theory**, 2003. ISBN: 0131032674. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Troubleshooting and Repairing Pumps**, 2008. ISBN: 0136104355. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

JOURNEYMAN PRESSURE & PROCESS PIPING (SPANISH)

A Pressure and Process Piping Journeyman may only work in the employ of a Pressure and Process Piping Contractor holding a certificate of competency to install, maintain, repair, alter or extend any systems of piping, tubing, vessels, containers, pumps, apparatus, and appurtenances, in connection with such pressure piping used for circulation, transporting, holding or processing of any gas, vapor, fluid, liquid, semi-liquid or any combination thereof; provided, however that boilers, boiler piping as defined by the Boiler and Pressure Vessel Code (1965) of the American Society of Mechanical Engineers, piping used to convey potable water, sanitary sewage, liquefied petroleum, manufactured or natural gas or refrigeration, air conditioning, and comfort heating piping shall NOT be a part of the scope of such work..

Number of Questions	74
Time allowed (hours)	3

Subject Area	# Quest.
Code Compliance	13
Controls	6
Piping	37
Maintenance and Service	6
Safety	12

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Code of Federal Regulations, Title 29. Part 1910**, 2012. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Available at www.gpo.gov. Candidate printed versions allowed if exam is open book. Also available at <http://www.provbookstore.com>
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Pipefitting Level Four**, 2019. ISBN: 978-0-13-748749-3. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Pipefitting Level Three**, 2019. ISBN: 978-0-13-748728-8. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Pipefitting Level Two**, 2019. ISBN: 978-0-13-581811-4. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>.

- **Process Control Theory**, 2003. ISBN: 0131032674. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Troubleshooting and Repairing Pumps**, 2008. ISBN: 0136104355. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

JOURNEYMAN REFRIGERATION

A Journeyman Refrigeration may only work in the employ of a Refrigeration Contractor (Unlimited) holding a certificate of competency to install, maintain, repair or alter any system of refrigeration unlimited to tons or horsepower, provided, however, that such refrigeration is intended to be used for the purpose of food and product preservation and/or processing and is not to be used for comfort systems; and further provided that this scope of work does not include ammonia refrigeration systems.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	22
Piping	25
Maintenance	5
Plan Reading	3
Systems & Sizing	20

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

JOURNEYMAN ROOM AIR CONDITIONING

Journeyman Room Air Conditioning: The term Journeyman shall mean any person who possesses the required skill, knowledge and experience, as evidenced by three (3) years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half (1/2) of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft. There shall be at least one (1) journeyman for every three (3) trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified. It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided

under Section 1-5 of this Code. In addition, any work in the trade concerned on any such job site wherein journeymen are not provided in accordance with this section shall be stopped by the enforcing agency or administrative agency concerned until journeymen are so provided. Further, any person working at a trade which requires journeymen on the job site where no journeyman or master in the trade concerned is present shall be in violation of this chapter and subject to the penalties provided herein, and provided under Section 1-5 of this Code. A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid as established in this chapter and as required by the board through written rules or regulations commencing October 1, 1995.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	15
Maintenance and Service	7
Control Circuits	15
Carpentry	10
Masonry	10
Insulation	7
Safety	11

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Florida Building Code 2023 - Mechanical,** 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Study Guide for Room Air Conditioning,** 2013. ISBN: 133525953. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>

JOURNEYMAN ROOM AIR CONDITIONING (2023 EDITION)

(UPDATED TO 2023 CODE) Journeyman Room Air Conditioning: The term Journeyman shall mean any person who possesses the required skill, knowledge and experience, as evidenced by three (3) years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half (1/2) of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft. There shall be at least one (1) journeyman for every three (3) trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeymen are required and certified. It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code. In addition, any work in the trade concerned on any such job site wherein journeymen are not provided in accordance with this section shall be stopped by the enforcing agency or administrative agency concerned until journeymen are so provided. Further, any person working at a trade which requires journeymen on the job site where no journeyman or

master in the trade concerned is present shall be in violation of this chapter and subject to the penalties provided herein, and provided under Section 1-5 of this Code. A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid as established in this chapter and as required by the board through written rules or regulations commencing October 1, 1995.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	15
Maintenance and Service	7
Control Circuits	15
Carpentry	10
Masonry	10
Insulation	7
Safety	11

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Florida Building Code 2023 - Mechanical,** 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Study Guide for Room Air Conditioning,** 2013. ISBN: 133525953. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at <http://nccer.pearsonconstructionbooks.com>

JOURNEYMAN SHEET METAL

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

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading, Estimating & Math	10
Code & General Knowledge	10
Layout & Fabrication	12
Installation	12
Air Properties & Distribution	12
Air Distribution Accessories	7
Architectural Sheet Metal	7
Safety	5

References

- **Florida Building Code 2020 - Mechanical,** 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Sheet Metal Level 1,** 2019. ISBN: 978-0-13-662951-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 2,** 2020. ISBN: 978-0-13-663023-4. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 3,** 2020. ISBN: 978-0-13-663060-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

JOURNEYMAN SHEET METAL (2023 EDITION)

(UPDATED TO 2023 CODE) Tests a candidate's knowledge of sheet metal fabrication, intended for the installation, replacement, repair, alteration, and extension of ferrous and Non-ferrous ducting in ventilation and exhaust systems.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading, Estimating & Math	12
Code & General Knowledge	11
Layout & Fabrication	12
Acoustical Installation	9
Air Properties & Distribution	12
Air Distribution Accessories	7
Architectural Sheet Metal	7
Safety	5

References

- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Sheet Metal Level 1**, 2019. ISBN: 978-0-13-662951-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 2**, 2020. ISBN: 978-0-13-663023-4. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 3**, 2020. ISBN: 978-0-13-663060-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

JOURNEYMAN SIGN ELECTRICIAN (2020 EDITION)

This exam tests a candidate's knowledge of the skills required to plan, install, repair, maintain, and alter electrical signs under the employ of a certified Electrical Sign Contractor. Systems covered include electrical wires, apparatus, raceways, and conduits, among others. Contractors may connect to an existing sign circuit beyond the last overcurrent device, and may contract for and take out building permits for the erection of signs.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Electrical Signs & Outline Lighting	20
Grounding & Bonding	14
General Electrical Knowledge	15
Motors & Controls	8
Transformers	6
Wiring & Protection	7
Wiring Methods & 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 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.

JOURNEYMAN SIGN ELECTRICIAN SPANISH (2020 EDITION)

Tests a candidate's knowledge of the planning, installation, repair, alteration, and maintenance of electric conductors, raceways, and equipment associated with electric signs. The branch circuit supplying power to the sign shall originate from an existing disconnect or power outlet.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Electrical Signs & Outline Lighting	20
General Electrical Knowledge	15
Grounding & Bonding	14
Motors & Controls	8
Transformers	6
Wiring & Protection	7
Wiring Methods & 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 2020**, 2020. ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org.

JOURNEYMAN STEAM GENERATING BOILER & BOILER PIPING (2023 EDITION)

A Steam Generating Boiler and Boiler Piping Contractor is a specialty mechanical contractor qualified to install, maintain, repair and service steam boilers and boiler piping, including the boiler auxiliary equipment, controls and steam actuated machinery such as engines, pumps, prime movers, pressing machinery, and dryer rolls.

Journeyman Steam Generator Boilers and Piping

The term journeyman shall mean any person who possesses the required skill, knowledge and experience, as evidenced by three years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft.

There shall be at least one journeyman for every three trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified.

It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in

accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code.

In addition, any work in the trade concerned on any such job site wherein journeymen are not provided in accordance with this section shall be stopped by the enforcing agency or administrative agency concerned until journeymen are so provided.

Further, any person working at a trade which requires journeymen on the job site where no journeyman or master in the trade concerned is present shall be in violation of this chapter and subject to the penalties provided herein, and provided under Section 1-5 of this Code.

A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid.

Number of Questions	75
Time allowed (hours)	3
Subject Area	# Quest.
General Knowledge	15
Piping	12
Boiler Construction	12
Systems and Sizing	14
Maintenance and Repair	14
Plan Reading & Estimating	8

References

- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Advanced Rigging**, 2012. ISBN: 0-13-292237-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available @ <http://nccer.pearsonconstructionbooks.com>
- **Steam Plant Operation**, 10th edition. ISBN: 9781259641336. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. available <https://www.mheducation.com>
- **Boiler Operator's Guide**, 4th edition. ISBN: 978-0070365742. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at www.amazon.com.

JOURNEYMAN STEAM GENERATING BOILER & BOILER PIPING (2023 EDITION) SPANISH

A Steam Generating Boiler and Boiler Piping Contractor is a specialty mechanical contractor qualified to install, maintain, repair and service steam boilers and boiler piping, including the boiler auxiliary equipment, controls and steam actuated machinery such as engines, pumps, prime movers, pressing machinery, and dryer rolls.

Journeyman Steam Generator Boilers and Piping

The term journeyman shall mean any person who possesses the required skill, knowledge and experience, as evidenced by three years' proven experience in the trade or craft, or education equivalent thereto, or a combination thereof, but not more than one-half of such experience may be education equivalent, and who has passed an examination in his or her particular trade or craft and possesses a valid certificate of competency as a journeyman in such trade or craft.

There shall be at least one journeyman for every three trainees on each construction or installation job site for which a permit is required, and which involves a trade in which journeyman are required and certified.

It shall be the responsibility of the employing contractor, and the qualifying agent, to provide journeymen on each job site in accordance with this section, and failure to do so shall be a violation of this chapter, subject to the penalties provided herein, and provided under Section 1-5 of this Code.

In addition, any work in the trade concerned on any such job site wherein journeymen are not provided in accordance with this section shall be stopped by the enforcing agency or administrative agency concerned until journeymen are so provided.

Further, any person working at a trade which requires journeymen on the job site where no journeyman or master in the trade concerned is present shall be in violation of this chapter and subject to the penalties provided herein, and provided under Section 1-5 of this Code.

A journeyman may only work in the employ of a contractor holding a certificate of competency in the field in which the journeyman is certified. Journeymen shall be required in the electrical, plumbing and mechanical trades. Journeymen are required to earn continuing education credit during each term the personal certificate of competency is valid.

Number of Questions	75
Time allowed (hours)	3
Subject Area	# Quest.
General Knowledge	15
Piping	12
Boiler Construction	12
Systems and Sizing	14
Maintenance and Repair	14
Plan Reading & Estimating	8

References

- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Advanced Rigging**, 2012. ISBN: 0-13-292237-1. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available @ <http://nccer.pearsonconstructionbooks.com>

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- **Boiler Operator's Guide**, 4th edition. ISBN: 978-0070365742. McGraw Hill Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004. Available at www.amazon.com.

JOURNEYMAN WARM AIR HEATING

A Warm Air Heating Journeyman may only work in the employ of a Warm Air Heating Contractor holding a certificate of competency to install, maintain, repair or alter a system of warm air furnace heating and all appliances and appurtenances in connection therewith, including duct work, vents and flue connections.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	13
Piping	17
Equipment	12
Maintenance	17
Systems & Sizing	16

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **HVAC Level 2 2013**, 2013. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.

LATHING & PLASTERING (2023 EDITION)

(UPDATED TO 2023 CODE) This exam tests a candidate's knowledge of the skills required to apply and affix wood, gypsum, metal lath, or other manufactured products to approved surfaces. Skills include placing metal studs and runners, supporting plaster coatings, acoustical tile, and other prefabricated ceiling materials, supporting fire-resistive lath, providing hangers, and coating surfaces, among others. Contractors may perform drywall work, but this license excludes the erection of wood stud or masonry walls.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Framing	16
Lathing	16
Materials	13
Application & Finishing	13
Safety	12

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 C926-12a - Standard Specification for Application of Portland Cement Based Plaster**. 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.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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/>
- **Gypsum Construction Handbook**, 2009. ISBN: 978-0876292587. United States Gypsum Corporation, 350 Burnhamthorpe Road West, 5th Floor, Mississauga, ON. Available at www.amazon.com.

LATHING & PLASTERING (SPANISH)

A Lathing and Plastering Contractor is a contractor qualified and certified to apply and affix wood, gypsum or metal lath or any other product prepared or manufactured, including the placing of metal studs and runners to which lath is to be applied, to provide key or suction bases for the support of plaster coatings, to provide hangers, channels and other mechanical suspension work for the support of lath or acoustical tile or other prefabricated ceiling materials, including the channel iron work for the support of metal or other fire resistive lath on walls, ceilings or soffits, or for solid plaster partitions; and to coat surfaces with a mixture of sand or other aggregate, gypsum, plaster, Portland cement or quick lime and water or any combination of such materials as to create a permanent surface coating and which coatings are usually applied with a plasterer's trowel or by pneumatic pressure on any surface which offers a mechanical key for the support of such coatings or to which the coating will adhere by suction. The scope of work shall not include the erection of wood stud or masonry walls. Such contractor may perform the work of a drywall contractor.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Framing	16
Lathing	16
Materials	13
Application & Finishing	13
Safety	12

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 C1063-15a - Standard Specification for Installation of Lathing & Furring to Receive Interior & Exterior 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/>. Candidate printed versions allowed if exam is open book.
- **ASTM C926-12a - Standard Specification for Application of Portland Cement Based Plaster**. 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.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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/>
- **Gypsum Construction Handbook**, 2009. ISBN: 978-0876292587. United States Gypsum Corporation, 350 Burnhamthorpe Road West, 5th Floor, Mississauga, ON. Available at www.amazon.com.
- **Introduction to Construction Math**, 2015. NCCER MATS Testing, 13614 Progress Blvd, Alachua, FL 32615.

LATHING & PLASTERING SPANISH (2023 EDITION)

Lathing and Plastering Scope: A lathing and plastering contractor coats surfaces with a mixture of sand, gypsum plaster, quick-lime or hydrated lime and water, or sand and cement and water, or a combination of such other materials that create a permanent coating, including coatings for the purpose of soundproofing and fireproofing. These coatings are applied with a plasterer's trowel or sprayed over any surface which offers a mechanical means for the support of such coating, and will adhere by suction. This contractor also installs lath (including metal studs) or any other material prepared or manufactured to provide a base or bond for such coating. A lathing and plastering contractor also applies and affixes wood and metal lath, or any other material prepared or manufactured to provide key or suction bases for the support of plaster coatings. This classification includes the channel work and metal studs for the support of metal or any other lathing material and for solid plaster partitions.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	5
Framing	16
Lathing	16
Materials	13
Application & Finishing	13
Safety	12

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 C1063-15a - Standard Specification for Installation of Lathing & Furring to Receive Interior & Exterior 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/>. Candidate printed versions allowed if exam is open book.
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- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
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- **Introduction to Construction Math**, 2015. ISBN: 0-13-414999-8. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at [mypersonstore.com](http://www.mypersonstore.com)
- **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.

MAINTENANCE ELECTRICIAN (SPANISH) 2020

Tests a candidate's knowledge of the maintenance of existing electrical systems operating at 480 volts or less. Exam is limited to the repair, alteration, and relocation of existing electrical branch circuits and equipment

Number of Questions 75
Time allowed (hours) 2

Subject Area	# Quest.
General Electrical Knowledge	26
Safety	5
Servicing Applications	15
Wiring & Protection	15
Wiring Methods & Materials	14

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.

MAINTENANCE ELECTRICIAN 2020

Tests a candidate's knowledge of the maintenance of existing electrical systems operating at 480 volts or less. Exam is limited to the repair, alteration, and relocation of existing electrical branch circuits

and equipment.

Number of Questions	50
Time allowed (hours)	2

Subject Area	# Quest.
General Electrical Knowledge	16
Safety	4
Servicing Applications	11
Wiring & Protection	10
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.

MASTER AC (LIMITED)

A Master Air Conditioning (Limited) is a specialty mechanical contractor qualified and certified to install, repair, alter, or extend any system of air conditioning and warm air heating and ventilation in connection therewith, of a size not exceeding fifteen (15) tons in any type of building providing the total conditioning load in any common area does not exceed fifteen (15) tons, including any or all duct systems necessary to make complete an air conditioning system, and including the installation of a condensate drain from such an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided that boiler and unfired pressure vessels shall not be part of the scope of work.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	12
Piping	14
Systems & Sizing	25
Equipment	12
Maintenance	8
Plan Reading	4

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.

- **HVAC Basics for Contractors, 2nd Edition**, 2013. ISBN: 978-1-269-23865-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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
- **Residential Load Calculation - Manual J**, 2025. ISBN: 9781892765253. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

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Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	12
Piping	14
Systems & Sizing	25
Equipment	12
Maintenance	8
Plan Reading	4

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Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	12
Piping	14
Systems & Sizing	25
Equipment	12
Maintenance	8
Plan Reading	4

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- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
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Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	12
Piping	14
Systems & Sizing	25
Equipment	12
Maintenance	8
Plan Reading	4

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
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- **Residential Load Calculation - Manual J**, 2025. ISBN: 9781892765253. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

MASTER AC (UNLIMITED)

A Master Air Conditioning (Unlimited) is a specialty mechanical contractor qualified and certified to install, repair, alter, add to or change any system of air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all duct systems necessary to make complete an air conditioning system and including the installation of a condensate drain from an air conditioning unit to

an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided that boilers or unfired pressure vessels shall not be a part of the scope of work.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Piping	14
Equipment	10
Maintenance	10
Plan Reading	6
Systems & Sizing	25
General Knowledge	10

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
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Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Piping	14
Equipment	10
Maintenance	10
Plan Reading	6
Systems & Sizing	25

General Knowledge

10

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
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- **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.
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- **HVAC Level Two**, 2007. ISBN: 978-0-13-614385-7. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.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
- **Residential Load Calculations - Manual J**. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. www.acca.org

MASTER AC (UNLIMITED) CREOLE (2023 EDITION)

A Master Air Conditioning (Unlimited) is a specialty mechanical contractor qualified and certified to install, repair, alter, add to or change any system of air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all duct systems necessary to make complete an air conditioning system and including the installation of a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided that boilers or unfired pressure vessels shall not be a part of the scope of work.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Piping	14
Equipment	10
Maintenance	10
Plan Reading	6
Systems & Sizing	25
General Knowledge	10

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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
- **Residential Load Calculation - Manual J**, 2025. ISBN: 9781892765253. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

MASTER AC (UNLIMITED) SPANISH (2023 EDITION)

A Master Air Conditioning (Unlimited) is a specialty mechanical contractor qualified and certified to install, repair, alter, add to or change any system of air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all duct systems necessary to make complete an air conditioning system and including the installation of a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided that boilers or unfired pressure vessels shall not be a part of the scope of work.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Piping	14
Equipment	10
Maintenance	10
Plan Reading	6
Systems & Sizing	25
General Knowledge	10

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.

- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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
- **Residential Load Calculation - Manual J**, 2025. ISBN: 9781892765253. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

MASTER BURGLAR ALARM

This exam tests a candidate's knowledge of the skills required to install, repair, or alter electrically energized systems used for the detection, prevention, or control of burglary. The scope of these systems shall include conductors and raceways, radio frequency carriers, laser beams, light beams, sonic beams, and any other means of signal transmissions. A burglar alarm specialty electrical contractor may connect to an existing separate circuit of approved capacity, which is terminated in an approved outlet, junction box, or fused disconnect switch within six feet of the equipment to be energized. Such contractor shall have as a qualifying agent a burglar alarm master. Burglar alarm journeymen are required in this trade.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Electrical Knowledge	11
Installation	11
Power Supplies	6
Intrusion Detection	31
Notification Appliances	10
Supervisory Stations	6

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.

MASTER ELECTRICIAN (SPANISH) 2020

Those who have the knowledge and skill, to install, repair, alter, add to or change any electrical wires, fixtures, appliances, apparatus, raceways, conduit or any part thereof; which generates, transmits, transforms or utilizes electrical energy in any form for light, heat, power or communications, all in compliance with applicable plans,

specifications, codes, laws and regulations.

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**, 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.

MASTER ELECTRICIAN 2020

Those who have the knowledge and skill to install, repair, alter, add to or change any electrical wires, fixtures, appliances, apparatus, raceways, conduit or any part thereof; which generates, transmits, transforms or utilizes electrical energy in any form for light, heat, power or communications, all in compliance with applicable plans, specifications, codes, laws and regulations.

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.

MASTER FIRE ALARM

A Master Fire Alarm is a specialty electrical contractor qualified and

certified to install, repair, alter, add to, or change any system, electrically energized, in whole or in part, for the detection, prevention or control of fire, noxious gases, liquids or atomic radiation. The scope of these systems shall include conductors and raceways, radio frequency carriers, laser beams, light beams, sonic beams, and any other means of signal transmissions as well as all apparatus pertaining to fire alarm systems. A fire alarm specialty electrical contractor may connect to an existing separate circuit, of approved capacity, which is terminated in an approved outlet, junction box, or fused disconnect switch within six (6) feet of the equipment to be energized. Such contractor shall have as a qualifying agent a fire alarm master. Also fire alarm journeymen are required in this trade.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Electrical Knowledge	19
Installation Requirements Electrical	12
Initiating Devices	20
Notification Appliances & Signaling Circuits	11
Systems Testing	11
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.
- **NFPA 72 - National Fire Alarm Code**, 2022. 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.

MASTER FIRE ALARM (SPANISH)

A Master Fire Alarm is a specialty electrical contractor qualified and certified to install, repair, alter, add to, or change any system, electrically energized, in whole or in part, for the detection, prevention or control of fire, noxious gases, liquids or atomic radiation. The scope of these systems shall include conductors and raceways, radio frequency carriers, laser beams, light beams, sonic beams, and any other means of signal transmissions as well as all apparatus pertaining to fire alarm systems. A fire alarm specialty electrical contractor may connect to an existing separate circuit, of approved capacity, which is terminated in an approved outlet, junction box, or fused disconnect switch within six (6) feet of the equipment to be energized. Such contractor shall have as a qualifying agent a fire alarm master. Also fire alarm journeymen are required in this trade

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
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General Electrical Knowledge	19
Installation Requirements Electrical	12
Initiating Devices	20
Notification Appliances & Signaling Circuits	11
Systems Testing	11
Supervisory Stations	2

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- **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.
- **NFPA 72 - National Fire Alarm Code**, 2022. 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.

MASTER GENERAL MECHANICAL

A Master General Mechanical is a contractor whose contracting business consists of the execution of contracts requiring the experience, financial means, knowledge and skill to perform the following: install, maintain, repair, alter or extend air conditioning, refrigeration, heating, ventilating, boiler and unfired pressure vessel systems, and all appurtenances, apparatus or equipment used in connection therewith; also, piping, duct work, insulation of pipes, vessels and ducts, pressure and process piping, installation of chilled water lines and related work incidental thereto, pneumatic control piping, gasoline tank and pump installations, piping for gasoline tank and pump installations, fire sprinkler systems and standpipes, air piping, vacuum line piping, oxygen lines, nitrous oxide piping, ink and chemical lines, fuel transmission lines, mechanical sections of sewage disposal and water treatment plants and installing a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary system, all in such a manner as to comply with all plans, specifications, codes, laws and regulations applicable. Such contractor shall have as qualifying agent a general mechanical master. The scope of work of such contractor shall also include any excavation work incidental thereto, but shall not include any work specified in this chapter as being the work of any other trade or contractor, such as but not limited to liquefied petroleum or natural gas fuel lines within buildings, potable water lines, or connections thereto, sanitary sewer lines, swimming pool piping and filters and electrical work. The scope of the work of such a contractor shall also include the work of a specialty mechanical contractor, except for elevator and transporting assembly installations; and if there is work incidental to such contractor's authorized scope of work to be performed pursuant to contract for which such contractor does not hold a certificate of competency, such work shall be subcontracted to a qualified contractor in the trade concerned.

Number of Questions

75

Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	12
Piping	12
Systems & Sizing	20
Equipment	12
Maintenance	13
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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
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- **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
- **Residential Load Calculations - Manual J**. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206. www.acca.org

MASTER GENERAL MECHANICAL (2023 EDITION)

A Master General Mechanical is a contractor whose contracting business consists of the execution of contracts requiring the experience, financial means, knowledge and skill to perform the following: install, maintain, repair, alter or extend air conditioning, refrigeration, heating, ventilating, boiler and unfired pressure vessel systems, and all appurtenances, apparatus or equipment used in connection therewith; also, piping, duct work, insulation of pipes, vessels and ducts, pressure and process piping, installation of chilled water lines and related work incidental thereto, pneumatic control piping, gasoline tank and pump installations, piping for gasoline tank and pump installations, fire sprinkler systems and standpipes, air piping, vacuum line piping, oxygen lines, nitrous oxide piping, ink and chemical lines, fuel transmission lines, mechanical sections of sewage disposal and water treatment plants and installing a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary system, all in such a manner as to comply with all plans, specifications, codes, laws and regulations applicable. Such contractor shall have as qualifying agent a general mechanical master. The scope of work of such contractor shall also include any excavation work incidental thereto, but shall not include any work specified in this chapter as being the work of any other trade or contractor, such as but not

limited to liquefied petroleum or natural gas fuel lines within buildings, potable water lines, or connections thereto, sanitary sewer lines, swimming pool piping and filters and electrical work. The scope of the work of such a contractor shall also include the work of a specialty mechanical contractor, except for elevator and transporting assembly installations; and if there is work incidental to such contractor's authorized scope of work to be performed pursuant to contract for which such contractor does not hold a certificate of competency, such work shall be subcontracted to a qualified contractor in the trade concerned.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Knowledge	12
Piping	12
Systems & Sizing	20
Equipment	12
Maintenance	13
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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
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- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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
- **Residential Load Calculation - Manual J**, 2025. ISBN: 9781892765253. Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206.

MASTER LAWN SPRINKLER

A Master Lawn Sprinkler is qualified and certified to install, maintain, repair, alter or extend a lawn sprinkling system and appliances and devices used in connection with such systems, except that such systems shall not include the drilling of wells or the connecting of such systems to potable water. Sprinkler and irrigation systems used for agricultural purposes shall not be included within the scope of this subsection.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
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Plan Reading & Estimating	5
Planning & Layout	7
Materials	12
Controls	10
Irrigation Installation	17
Cross Contamination & Backflow Prevention	9
Reclaimed Water	6
Safety	9

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.

MASTER LAWN SPRINKLER (SPANISH)

A Master Lawn Sprinkler is qualified and certified to install, maintain, repair, alter or extend a lawn sprinkling system and appliances and devices used in connection with such systems, except that such systems shall not include the drilling of wells or the connecting of such systems to potable water. Sprinkler and irrigation systems used for agricultural purposes shall not be included within the scope of this subsection.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Planning & Layout	6
Plan Reading & Estimating	6
Materials	12
Controls	10
Irrigation Installation	18
Cross Contamination & Backflow Prevention	9
Reclaimed Water	6
Safety	8

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.

- **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.

MASTER LOW VOLTAGE (SPANISH) 2020

This exam tests a candidate's knowledge of the skills required to install, fabricate, erect, repair, or alter electrical wiring, fixtures, appliances, thermostats, apparatus, raceways, conduits, or other devices not exceeding 98 volts, which generate, transmit, transform, or utilize electrical energy. Systems include, but are not limited to, telephone, radio, computer, and data. A low voltage specialty electrical contractor may connect to an existing separate circuit of approved capacity, which is terminated in an approved outlet, junction box or fused disconnect within six feet of the equipment to be energized. This license excludes burglar and fire alarm specialty electrical contractors.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
General Electrical Knowledge	25
Wiring & Protection	4
Wiring Methods & Materials	17
Equipment for General Use	6
Special Occupancies	7
Special Equipment	4
Special Conditions	7
Communication Systems	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.
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at www.amazon.com.

MASTER LOW VOLTAGE 2020

This exam tests a candidate's knowledge of the skills required to install, fabricate, erect, repair, or alter electrical wiring, fixtures, appliances, thermostats, apparatus, raceways, conduits, or other devices not exceeding 98 volts, which generate, transmit, transform, or utilize electrical energy. Systems include, but are not limited to, telephone, radio, computer, and data. A low voltage specialty electrical contractor may connect to an existing separate circuit of approved capacity, which is terminated in an approved outlet, junction box or fused disconnect within six feet of the equipment to be energized. This license excludes burglar and fire alarm specialty electrical contractors.

Number of Questions 75
Time allowed (hours) 2

Subject Area	# Quest.
General Electrical Knowledge	20

Wiring and Protection	15
Wiring Methods & Materials	15
Equipment for General Use	3
Special Occupancies	3
Special Equipment	4
Special Conditions	5
Communication Systems	10

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.
- **Understanding and Servicing Alarm Systems**, 3rd Ed., 1999. ISBN: 978-0750672061. Butterworth-Heinemann, 225 Wildwood Ave., Woburn, MA 01801. Available at www.amazon.com.

MASTER PLUMBER

The scope of work of a Master Plumber shall include the knowledge and skill to install, maintain, repair, alter or extend plumbing, septic tanks, drainage and supply wells, swimming pool and piping or solar heating systems and all appurtenances, apparatus or equipment used in connection therewith, including boilers and pressure and process piping and including the installation of water, gas, storm and sanitary sewer lines, and for the mechanical installation of gas, water and sewage plants and substations. The scope shall also include the installation, maintenance, repair, alteration or extension of air piping, vacuum line piping, oxygen line piping, nitrous oxide piping, fire line standpipes and fire sprinklers to the extent allowed by law, up to five (5) sprinkler heads out of potable water lines, ink and chemical lines, gasoline piping and tank and pump installation (excepting bulk storage plants) and pneumatic control piping systems. The scope of work does not include the installation of chilled water lines or related work incidental thereto.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Drain, Waste & Vent Systems	8
Fixtures & Fittings	8
General Knowledge	8
Isometrics & Plan Reading	8
Plumbing Math	8
Storm & Roof Drainage	5
Water Heaters	8
Water Supply and Distribution	10
Safety	5
Fuel Gas Systems	4
High wind zone items for Plumbing	3

References

- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org

- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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

MASTER PLUMBER (2023 EDITION)

The scope of work of a Master Plumber shall include the knowledge and skill to install, maintain, repair, alter or extend plumbing, septic tanks, drainage and supply wells, swimming pool and piping or solar heating systems and all appurtenances, apparatus or equipment used in connection therewith, including boilers and pressure and process piping and including the installation of water, gas, storm and sanitary sewer lines, and for the mechanical installation of gas, water and sewage plants and substations. The scope shall also include the installation, maintenance, repair, alteration or extension of air piping, vacuum line piping, oxygen line piping, nitrous oxide piping, fire line standpipes and fire sprinklers to the extent allowed by law, up to five (5) sprinkler heads out of potable water lines, ink and chemical lines, gasoline piping and tank and pump installation (excepting bulk storage plants) and pneumatic control piping systems. The scope of work does not include the installation of chilled water lines or related work incidental thereto.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Drain, Waste & Vent Systems	8
Fixtures & Fittings	8
General Knowledge	8
Isometrics & Plan Reading	8
Plumbing Math	8
Storm & Roof Drainage	5
Water Heaters	8
Water Supply and Distribution	10
Safety	5
Fuel Gas Systems	4
High wind zone items for Plumbing	3

References

- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

MASTER PLUMBER (SPANISH)

The scope of work of a Master Plumber shall include the knowledge and skill to install, maintain, repair, alter or extend plumbing, septic tanks, drainage and supply wells, swimming pool and piping or solar heating systems and all appurtenances, apparatus or equipment used in connection therewith, including boilers and pressure and process piping and including the installation of water, gas, storm and sanitary sewer lines, and for the mechanical installation of gas, water and sewage plants and substations. The scope shall also include the

installation, maintenance, repair, alteration or extension of air piping, vacuum line piping, oxygen line piping, nitrous oxide piping, fire line standpipes and fire sprinklers to the extent allowed by law, up to five (5) sprinkler heads out of potable water lines, ink and chemical lines, gasoline piping and tank and pump installation (excepting bulk storage plants) and pneumatic control piping systems. The scope of work does not include the installation

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Drain, Waste & Vent Systems	8
Fixtures & Fittings	8
General Knowledge	9
Isometrics & Plan Reading	8
Plumbing Math	8
Storm & Roof Drainage	5
Water Heaters	8
Water Supply and Distribution	10
Safety	5
Fuel Gas Systems	3
High wind zone items for Plumbing	3

References

- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Plumbing**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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

MASTER PLUMBER (SPANISH) (2023 EDITION)

This exam tests a candidate's knowledge of the skills required to install, maintain, repair, alter, or extend plumbing, septic tanks, drainage and supply wells, swimming pools, piping or solar heating systems, boilers, and pressure or process piping. Additional topics covered include the installation of water, gas, storm, and sanitary sewer lines, and the mechanical installation of gas, water, and sewage plants and substations. The scope shall also include the installation, maintenance, repair, alteration or extension of air piping, vacuum line piping, oxygen line piping, nitrous oxide piping, fire line standpipes, and fire sprinklers to the extent allowed by law: up to five sprinkler heads out of potable water lines, ink and chemical lines, gasoline piping and tank and pump installation (excepting bulk storage plants) and pneumatic control piping systems. This license excludes the installation of chilled water lines.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Drain, Waste & Vent Systems	8
Fixtures & Fittings	8
General Knowledge	9
Isometrics & Plan Reading	8
Plumbing Math	8
Storm & Roof Drainage	5

Water Heaters	8
Water Supply and Distribution	10
Safety	5
Fuel Gas Systems	3
High wind zone items for Plumbing	3

References

- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Plumbing**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

MASTER REFRIGERATION & AIR CONDITIONING CONTRACTOR

A Refrigeration and Air Conditioning Contractor is a specialty mechanical contractor qualified and certified to install, repair alter, add to or change any system of refrigeration, air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all duct systems necessary to make complete a refrigeration or air conditioning system and including the installation of a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided, however, ammonia refrigeration, boilers or unfired vessels shall not be a part of the scope of such work.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	14
Piping	12
Equipment	5
Maintenance	13
Plan Reading	3
Systems & Sizing	28

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

MASTER REFRIGERATION & AIR CONDITIONING CONTRACTOR (SPANISH)

A Refrigeration and Air Conditioning Contractor is a specialty mechanical contractor qualified and certified to install, repair alter, add to or change any system of refrigeration, air conditioning, heating and ventilating, unlimited in horsepower or tons, including any or all

duct systems necessary to make complete a refrigeration or air conditioning system and including the installation of a condensate drain from an air conditioning unit to an existing safe waste or other approved disposal other than a direct connection to a sanitary disposal system; provided, however, ammonia refrigeration, boilers or unfired vessels shall not be a part of the scope of such work.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	14
Piping	12
Equipment	5
Maintenance	13
Plan Reading	3
Systems & Sizing	28

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

MASTER SHEET METAL

(UPDATED TO 2023 CODE) Sheet Metal Contractor is a specialty mechanical contractor qualified and certified to manufacture, assemble, cast, cut, shape, stamp, forge, fabricate, weld, repair, recondition, adjust and install sheet and rolled metal of any kind or combination and all other materials used in lieu thereof, and including all air-veyor systems and air handling systems regardless of materials used including all equipment and all reinforcements in connection therewith.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading, Estimating & Math	8
Code & General Knowledge	13
Layout & Fabrication	12
Installation	10
Air Properties & Distribution	8
Air Distribution Accessories	8
Chimneys, Flues & Exhaust	6
Architectural Sheet Metal	4
Safety	6

References

- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Sheet Metal Level 1**, 2019. ISBN: 978-0-13-662951-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

- **Sheet Metal Level 2**, 2020. ISBN: 978-0-13-663023-4. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 3**, 2020. ISBN: 978-0-13-663060-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 4**, 2019. ISBN: 978-0-13-663222-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

MASTER SHEET METAL (SPANISH)

Sheet Metal Contractor is a specialty mechanical contractor qualified and certified to manufacture, assemble, cast, cut, shape, stamp, forge, fabricate, weld, repair, recondition, adjust and install sheet and rolled metal of any kind or combination and all other materials used in lieu thereof, and including all air-veyor systems and air handling systems regardless of materials used including all equipment and all reinforcements in connection therewith.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading, Estimating & Math	8
Code & General Knowledge	13
Layout & Fabrication	12
Acoustical Installation	10
Air Properties & Distribution	8
Air Distribution Accessories	8
Chimneys, Flues & Exhaust	6
Architectural Sheet Metal	4
Safety	6

References

- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Sheet Metal Level 1**, 2019. ISBN: 978-0-13-662951-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 3**, 2020. ISBN: 978-0-13-663060-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 2**, 2020. ISBN: 978-0-13-663023-4. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Sheet Metal Level 4**, 2019. ISBN: 978-0-13-663222-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

MASTER SIGN ELECTRICIAN 2020

This exam tests a candidate's knowledge of the skills required to design, plan, install, repair, alter, and maintain electric conductors, raceways, and equipment associated with electric signs. The branch circuit supplying power to the sign shall originate from an existing disconnect or power outlet.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Basic Electricity & Wiring	15
Electrical Signs & Outline Lighting	23
Grounding & Bonding	11
Motors & Controls	7
Transformers	3

Wiring & Protection	10
Wiring Methods & Materials	6

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.

MASTER SIGN ELECTRICIAN 2020 (SPANISH)

This exam tests a candidate's knowledge of the skills required to design, plan, install, repair, alter, and maintain electric conductors, raceways, and equipment associated with electric signs. The branch circuit supplying power to the sign shall originate from an existing disconnect or power outlet.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Basic Electricity & Wiring	15
Electrical Signs & Outline Lighting	22
Grounding & Bonding	11
Motors & Controls	8
Transformers	3
Wiring & Protection	10
Wiring Methods & Materials	6

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.

MASTER SWIMMING POOL MAINTENANCE (LIMITED)

A Swimming Pool Maintenance (Limited) is contractor qualified and certified to do any or all of the following, including, but not limited to, maintaining and treating the water in existing swimming pools, both public and private, making minor repairs to existing pool masonry such as patching cracks in pool bottoms and walls, repainting or resurfacing the walls and bottoms of pools, performing preventive maintenance and replacing existing equipment and appurtenances thereof of swimming pools, such as pumps, valves, filters and chlorinators; provided, such a contractor may only replace existing equipment and appurtenances in private pools of single-family residences.

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 Candidate printed versions allowed if exam is open book
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Pool & Spa Operator Handbook 2014**, 2014. ISBN: 0-9845863-7-0. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. www.nspf.org

MASTER SWIMMING POOL MAINTENANCE (LIMITED) (SPANISH)

This exam tests a candidate's knowledge of the skills required to maintain and treat the water in existing swimming pools, both public and private, and to make minor repairs to existing pool masonry. Topics covered include patching cracks, repainting or resurfacing pool bottom and walls, performing preventive maintenance, and replacing existing equipment, such as pumps, valves, filters, and chlorinators. This license only includes replacing existing equipment in private pools of single-family residences.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Calculations	9
Circulation	10
Disinfection	11
Filtration	13
Management	7
Repairs	5
Safety	9
Testing	11

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 Candidate printed versions allowed if exam is open book
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Pool & Spa Operator Handbook 2022**, 2022. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. www.nspf.org

MASTER SWIMMING POOL MAINTENANCE (UNLIMITED)

A Master Swimming Pool Maintenance (Unlimited) is contractor qualified and certified to do any or all of the following, including, but not limited to, maintaining and treating the water in existing swimming pools, both public and private, making minor repairs to existing pool masonry such as patching cracks in pool bottoms and walls, repainting or resurfacing the walls and bottoms of pools, performing preventive maintenance and replacing existing equipment and appurtenances thereof of swimming pools, such as pumps, valves, filters and chlorinators.

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 Candidate printed versions allowed if exam is open book
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Pool & Spa Operator Handbook**, 2012. ISBN: 0-9815803-9-5. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. www.nspf.org

MASTER SWIMMING POOL MAINTENANCE (UNLIMITED) (SPANISH)

A Master Swimming Pool Maintenance (Unlimited) is contractor qualified and certified to do any or all of the following, including, but not limited to, maintaining and treating the water in existing swimming pools, both public and private, making minor repairs to existing pool masonry such as patching cracks in pool bottoms and walls, repainting or resurfacing the walls and bottoms of pools, performing preventive maintenance and replacing existing equipment and appurtenances thereof of swimming pools, such as pumps, valves, filters and chlorinators.

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 Candidate printed versions allowed if exam is open book
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Pool & Spa Operator Handbook 2014**, 2014. ISBN: 0-9845863-7-0. National Swimming Pool Foundation, 4775 Granby Circle, Colorado Springs, CO 80919. www.nspf.org

MASTER SWIMMING POOL PIPING

Swimming Pool Piping Contractor is a contractor having the required financial means and having a qualifying agent as provided herein. Such qualifying agent shall have experience and skill gained by not less than one (1) year of experience, or its educational equivalent, or a combination of such experience and education, in installing swimming pool piping under the supervision of a plumbing contractor or a contractor making swimming pool piping installations. Such qualifying agent shall be qualified, examined, and certified to perform the functions within the scope of work of a swimming pool piping contractor as hereinafter provided. The scope of work of a swimming pool piping contractor shall permit such a contractor to install, maintain, repair, alter, or extend swimming pool piping systems including the pumps, filters, pool heaters and chlorinators incidental to swimming pools and involving the means of disposing of pool water. The scope of work in this classification shall not include direct connection to a sanitary sewer system, potable water line or electrical supply, or the installation of package pool heaters.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	7
Site Preparation, Excavation and Backfilling	6
Pool Piping	22
Pool Equipment	18
Care and Operation	12
Safety	10

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Builder's Guide to Swimming Pool Construction**, 2005. ISBN: 978-1889892504. Builder's Book, Inc., 8001 Canoga Avenue, Canoga Park, CA 91304. Available at www.amazon.com.
- **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-](http://www.floridahealth.gov/environmental-health/swimming-pools/_documents/64E-9_FAC_Draft_Rev7_no_strike.pdf)

[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 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

MASTER SWIMMING POOL PIPING (SPANISH)

This exam tests a candidate's knowledge of the skills required to install, maintain, repair, alter, or extend swimming pool piping systems including the pumps, filters, pool heaters, and chlorinators involved in the disposal of pool water. The scope of work in this classification shall not include direct connection to a sanitary sewer system, potable water line, or electrical supply, or the installation of package pool heaters. Additionally, licensure requires contractors to have experience and skill gained by not less than one year of experience, or its educational equivalent, or a combination of such experience and education, in installing swimming pool piping under the supervision of a plumbing contractor or a contractor making swimming pool piping installations.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Care and Operation	12
Plan Reading & Estimating	7
Pool Equipment	18
Pool Piping	22
Safety	10
Site Preparation, Excavation and Backfilling	6

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Builder's Guide to Swimming Pool Construction**, 2005. ISBN: 978-1889892504. Builder's Book, Inc., 8001 Canoga Avenue, Canoga Park, CA 91304. Available at www.amazon.com.
- **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 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

MECHANICAL MAINTENANCE

A Mechanical Maintenance is a person qualified and certified by examination to maintain mechanical installations. The work of a mechanical maintenance man shall be confined to repairing, maintaining, servicing of existing systems involving air conditioning, refrigeration, heating, ventilation and pressure and process piping contained and used upon the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the mechanical maintenance man is regularly employed.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	20
Piping	7
Equipment	18
Maintenance	20
Plan Reading	3
Systems & Sizing	7

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **Florida Building Code 2020 - Fuel Gas**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Mechanical**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

MECHANICAL MAINTENANCE (2023 EDITION)

(UPDATED TO 2023 CODE) A Mechanical Maintenance man is a person qualified and certified by examination to maintain mechanical installations. The work of a mechanical maintenance man shall be confined to repairing, maintaining, servicing of existing systems involving air conditioning, refrigeration, heating, ventilation and pressure and process piping contained and used upon the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the mechanical maintenance man is regularly employed. A certified mechanical master or journeyman shall automatically qualify as a mechanical maintenance man.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	20
Piping	7
Equipment	18
Maintenance	20
Plan Reading	3
Systems & Sizing	7

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Energy Conservation**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

MECHANICAL MAINTENANCE SPANISH (2023 EDITION)

Mechanical Maintenance man is a person qualified and certified by examination to maintain mechanical installations. The work of a mechanical maintenance man shall be confined to repairing, maintaining, servicing of existing systems involving air conditioning, refrigeration, heating, ventilation and pressure and process piping contained and used upon the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the mechanical maintenance man is regularly employed. A certified mechanical master or journeyman shall automatically qualify as a mechanical maintenance man.

Number of Questions	50
Time allowed (hours)	3

Subject Area	# Quest.
General Knowledge	6
Piping	6
Equipment	10
Maintenance	18
Plan Reading	3
Systems & Sizing	7

References

- **Advanced Mechanical Study Guide , 2nd edition**, 2nd. ISBN: 9781323725184. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at 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/>
- **Florida Building Code 2023 - Fuel Gas**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **Florida Building Code 2023 - Mechanical**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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.
- **Intermediate Mechanical Study Guide**, 2015. ISBN: 9781323725221. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

METAL AWNING & STORM SHUTTER CONTRACTOR

Metal Awning and Storm Shutter Contractor is qualified and certified to fabricate, erect and install awnings or canopies of metal including other materials, incidental thereto, in or on buildings or other structures, and which may be, in whole or part, supported from a building wall erected and provided by others, or may be self-supporting, and including footings or slabs on grade in connection therewith. Such contractor shall have a qualifying agent with experience and skill gained by at least one (1) year's practical work in this field and who has passed a designated examination.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	15
Concrete and Reinforcement	10
Metal Storm Panel Shutters	6
Wood Storm Shutters	4
Installation & Anchorage	25
Building and Municipal Codes	8
Safety	7

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at www.apawood.org Candidate's printed versions, Form T450 is allowed if exam is open book.

METAL AWNING & STORM SHUTTER CONTRACTOR (2023 EDITION)

(UPDATED TO 2023 CODE) Metal Awning and Storm Shutter Contractor is qualified and certified to fabricate, erect and install awnings or canopies of metal including other materials, incidental thereto, in or on buildings or other structures, and which may be, in whole or part, supported from a building wall erected and provided by others, or may be self-supporting, and including footings or slabs on grade in connection therewith. Such contractor shall have a qualifying agent with experience and skill gained by at least one (1) year's practical work in this field and who has passed a designated examination.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	15
Concrete and Reinforcement	10
Metal Storm Panel Shutters	6
Wood Storm Shutters	4
Installation & Anchorage	25
Building and Municipal Codes	8
Safety	7

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at www.apawood.org Candidate's printed versions, Form T450 is allowed if exam is open book.

METAL AWNING & STORM SHUTTER CONTRACTOR (SPANISH)

Metal Awning and Storm Shutter Contractor is qualified and certified to fabricate, erect and install awnings or canopies of metal including other materials, incidental thereto, in or on buildings or other structures, and which may be, in whole or part, supported from a building wall erected and provided by others, or may be self-supporting, and including footings or slabs on grade in connection therewith. Such contractor shall have a qualifying agent with experience and skill gained by at least one (1) year's practical work in this field and who has passed a designated examination.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	15
Concrete and Reinforcement	10
Metal Storm Panel Shutters	6
Wood Storm Shutters	5
Installation & Anchorage	25
Building and Municipal Codes	7
Safety	7

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at www.apawood.org Candidate's printed versions, Form T450 is allowed if exam is open book.

METAL AWNING & STORM SHUTTER CONTRACTOR SPANISH (2023 EDITION)

(UPDATED TO 2023 CODE) Metal Awning and Storm Shutter Contractor is qualified and certified to fabricate, erect and install awnings or canopies of metal including other materials, incidental thereto, in or on buildings or other structures, and which may be, in whole or part, supported from a building wall erected and provided by others, or may be self-supporting, and including footings or slabs on grade in connection therewith. Such contractor shall have a qualifying agent with experience and skill gained by at least one (1) year's practical work in this field and who has passed a designated

examination

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	15
Concrete and Reinforcement	10
Metal Storm Panel Shutters	6
Wood Storm Shutters	4
Installation & Anchorage	25
Building and Municipal Codes	8
Safety	7

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Carpentry Level One, 2022 edition**, 2022. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Hurricane Shutter Designs**. APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at www.apawood.org Candidate's printed versions, Form T450 is allowed if exam is open book.

METAL DECKING & SIDING

A Metal Decking and Siding Contractor is a contractor qualified and certified to erect metal decking and siding or other material incidental thereto that may be used for enclosing buildings or other structures including welding, bolting or other attachments in connection therewith and including such minor field fabrication as may be necessary and also the installation of industrial doors and windows in connection therewith

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	10
Metal Decking	17
Metal Siding	10
Welding & Cutting	8
Doors & Windows	4
Rigging Equipment & Practices	6
Safety	12
High Velocity Hurricane Zone Metal Decking & Siding	8

References

- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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>.

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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 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.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>.

METAL DECKING & SIDING (SPANISH)

A Metal Decking and Siding Contractor is a contractor qualified and certified to erect metal decking and siding or other material incidental thereto that may be used for enclosing buildings or other structures including welding, bolting or other attachments in connection therewith and including such minor field fabrication as may be necessary and also the installation of industrial doors and windows in connection therewith

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	10
Metal Decking	17
Metal Siding	10
Welding & Cutting	8
Doors & Windows	4
Rigging Equipment & Practices	6
Safety	12
High Velocity Hurricane Zone Metal Decking &	8

Siding

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.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>.

PLUMBING MAINTENANCE

Plumbing Maintenance worker is a person qualified and certified by examination to maintain plumbing installations. The work of the maintenance plumber shall be confined to maintenance repairs involving only the working parts of a faucet or valve, the clearance of stoppages, repairing of leaks and the replacement of defective faucets or valves contained and used upon the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the maintenance plumber is regularly employed. Maintenance plumbers' work shall not include the cutting into, connecting to or extension of potable water lines, or drain waste and vent systems. A certified master or journeyman plumber shall automatically qualify as a maintenance plumber.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Servicing of Fixtures, Valves, and Faucets	13
Fixtures & Fittings	14
General Knowledge	13
Installing Fixtures, Valves, and Faucets.	9
Introduction to Water Distribution Systems	9
Plumbing Drawings	5
Compressed Air	4
Types of Valves	3
Safety	5

References

- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

PLUMBING MAINTENANCE (2023 EDITION)

(UPDATED TO 2023 CODE) Plumbing Maintenance man is a person qualified and certified by examination to maintain plumbing installations. The work of the maintenance plumber shall be confined to maintenance repairs involving only the working parts of a faucet or valve, the clearance of stoppages, repairing of leaks and the replacement of defective faucets or valves contained and used upon

the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the maintenance plumber is regularly employed. Maintenance plumbers' work shall not include the cutting into, connecting to or extension of potable water lines, or drain waste and vent systems. A certified master or journeyman plumber shall automatically qualify as a maintenance plumber.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Servicing of Fixtures, Valves, and Faucets	14
Fixtures & Fittings	14
General Knowledge	12
Installing Fixtures, Valves, and Faucets.	9
Introduction to Water Distribution Systems	9
Plumbing Drawings	5
Compressed Air	4
Types of Valves	3
Safety	5

References

- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

PLUMBING MAINTENANCE (SPANISH)

Plumbing Maintenance man is a person qualified and certified by examination to maintain plumbing installations. The work of the maintenance plumber shall be confined to maintenance repairs involving only the working parts of a faucet or valve, the clearance of stoppages, repairing of leaks and the replacement of defective faucets or valves contained and used upon the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the maintenance plumber is regularly employed. Maintenance plumbers' work shall not include the cutting into, connecting to or extension of potable water lines, or drain waste and vent systems. A certified master or journeyman plumber shall automatically qualify as a maintenance plumber.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Servicing of Fixtures, Valves, and Faucets	14
Fixtures & Fittings	14
General Knowledge	12
Installing Fixtures, Valves, and Faucets.	9
Introduction to Water Distribution Systems	9
Plumbing Drawings	5
Compressed Air	4
Types of Valves	3
Safety	5

References

- **Florida Building Code 2020 - Residential**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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

PLUMBING MAINTENANCE SPANISH (2023 EDITION)

Plumbing Maintenance man is a person qualified and certified by examination to maintain plumbing installations. The work of the maintenance plumber shall be confined to maintenance repairs involving only the working parts of a faucet or valve, the clearance of stoppages, repairing of leaks and the replacement of defective faucets or valves contained and used upon the premises or building owned, occupied or otherwise controlled by the person, firm or corporation by whom the maintenance plumber is regularly employed. Maintenance plumbers' work shall not include the cutting into, connecting to or extension of potable water lines, or drain waste and vent systems. A certified master or journeyman plumber shall automatically qualify as a maintenance plumber.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Servicing of Fixtures, Valves, and Faucets	14
Fixtures & Fittings	14
General Knowledge	12
Installing Fixtures, Valves, and Faucets.	9
Introduction to Water Distribution Systems	9
Plumbing Drawings	5
Compressed Air	4
Types of Valves	3
Safety	5

References

- **Florida Building Code 2023 - Residential**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478.
- **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

PRESTRESSED, PRECAST CONCRETE ERECTION CONTRACTOR

Prestressed Precast Concrete Erection Contractor is a contractor qualified and certified to erect structural precast concrete units such as decks, beams, girders, walls, columns and stairs that are or may be used as structural members for buildings and structures, including welding and rigging in connection therewith and to erect precast concrete units for guard rails and decorative panels above the ground floor, including such minor field fabrication as may be necessary.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	9
Preconstruction Plan	8
Practices & Procedures	18
Equipment	8
Tolerances	8
Quality Control	9
Building and Municipal Codes	6
Safety	9

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.
- **Erector's Manual: Standards and guidelines for the erection of precast concrete products**, 1999. Precast/Prestressed Concrete Institute, 9626 Upper Lewisburg Salem Road, Brookville, OH 45309. Available at www.pci.org/

PRESTRESSED, PRECAST CONCRETE ERECTION CONTRACTOR (SPANISH)

Prestressed Precast Concrete Erection Contractor is a contractor qualified and certified to erect structural precast concrete units such as decks, beams, girders, walls, columns and stairs that are or may be used as structural members for buildings and structures, including welding and rigging in connection therewith and to erect precast concrete units for guard rails and decorative panels above the ground floor, including such minor field fabrication as may be necessary.

Number of Questions 75
Time allowed (hours) 2

Subject Area	# Quest.
Plan Reading & Estimating	9
Preconstruction Plan	8
Practices & Procedures	18
Equipment	8
Tolerances	8
Quality Control	9
Building and Municipal Codes	6
Safety	9

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.
- **Carpentry Level Three 2014**, 2014. ISBN: 0133823059. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Erector's Manual: Standards and guidelines for the erection of precast concrete products**, 1999. Precast/Prestressed Concrete Institute, 9626 Upper Lewisburg Salem Road, Brookville, OH 45309. Available at www.pci.org/

REINFORCING STEEL PLACING CONTRACTOR

Reinforcing Steel Placing Contractor is a contractor qualified and certified to fabricate, place, tie and weld steel reinforcing bars (rods) that are or may be used to reinforce concrete buildings or structures.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	13
Reinforcement Placement	16
Reinforcement Connections	18
Reinforcement Cutting & Bending	11
Rigging Equipment & Practices	5

Safety	11
Hurricane Zone Reinforcing Steel Placement	1

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.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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>.

REINFORCING STEEL PLACING CONTRACTOR (2023 EDITION)

(UPDATED TO 2023 CODE) Reinforcing Steel Placing Contractor is a contractor qualified and certified to fabricate, place, tie and weld steel reinforcing bars (rods) that are or may be used to reinforce concrete buildings or structures.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	13
Reinforcement Placement	16
Reinforcement Connections	18
Reinforcement Cutting & Bending	11
Rigging Equipment & Practices	5
Safety	11
Hurricane Zone Reinforcing Steel Placement	1

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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Reinforcing Ironwork Level One**, 2005. ISBN: 978-0-13-228220-8. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.

REINFORCING STEEL PLACING CONTRACTOR (SPANISH)

This exam tests a candidate's knowledge of the skills required to fabricate, place, tie, and weld steel reinforcing bars (rods) that may be used to reinforce concrete buildings or structures.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	13
Reinforcement Placement	16
Reinforcement Connections	18
Reinforcement Cutting & Bending	11
Rigging Equipment & Practices	5
Safety	11
Hurricane Zone Reinforcing Steel Placement	1

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.
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Reinforcing Ironwork Level One**, 2005. ISBN: 978-0-13-228220-8. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.

RESIDENTIAL CONTRACTOR

Residential contractor is a contractor whose services are limited to construction, remodeling, repair, or improvement of one-family, two-family, or three-family residences not exceeding two habitable stories above no more than one uninhabitable story and accessory use structures in connection therewith and has a qualifying agent with the experience, knowledge and skill gained by not less than four (4) years' experience for a State of Florida certified or registered general, general building, building, sub-general, residential or sub-building contractor with at least one (1) year as either a superintendent or foreman or has an accredited college-level education in a construction-related field equivalent thereto, or any combination thereof, with at least one year of proven experience as a superintendent or foreman and who has satisfactorily passed a residential contractors' examination. A residential building contractor may do, contract for, and take out permits for the work of any specialty contractor subject to the limitations contained herein.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading	5
Sitework & Foundations	5
Concrete and Reinforcement	12
Masonry	9
Carpentry	12
Roofing	5
Interior Finishes	5
Exterior Finishes	5
Associated Trades	5
Safety	7
Hurricane Zone Residential	5

References

- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Florida Building Code 2020 - Residential**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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
- **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

- **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.

RESIDENTIAL CONTRACTOR (2023 EDITION)

(UPDATED FOR 2023 CODE) Residential Contractor means a contractor whose services are limited to construction, remodeling, repair, or improvement of one-family, two-family, or three-family residences not exceeding two (2) habitable stories above no more than one uninhabitable story and accessory use structure in connection therewith. As regulated under Florida Statute, a person who has passed a competency examination as a Residential Contractor may perform these or related tasks or may supervise persons in his employ in the execution of these tasks.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading	8
Sitework & Foundations	6
Concrete and Reinforcement	9
Masonry	9
Carpentry	13
Roofing	5
Interior Finishes	8
Exterior Finishes	6
Associated Trades	4
Safety	7

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at 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/>
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RESIDENTIAL CONTRACTOR (SPANISH)

Residential contractor is a contractor whose services are limited to construction, remodeling, repair, or improvement of one-family, two-family, or three-family residences not exceeding two habitable stories above no more than one uninhabitable story and accessory use structures in connection therewith and has a qualifying agent with the

experience, knowledge and skill gained by not less than four (4) years' experience for a State of Florida certified or registered general, general building, building, sub-general, residential or sub-building contractor with at least one (1) year as either a superintendent or foreman or has an accredited college-level education in a construction-related field equivalent thereto, or any combination thereof, with at least one year of proven experience as a superintendent or foreman and who has satisfactorily passed a residential contractors' examination. A residential building contractor may do, contract for, and take out permits for the work of any specialty contractor subject to the limitations contained herein.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading	6
Sitework & Foundations	6
Concrete and Reinforcement	12
Masonry	10
Carpentry	12
Roofing	5
Interior Finishes	5
Exterior Finishes	5
Associated Trades	5
Safety	7
Hurricane Zone Residential	2

References

- **Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
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Number of Questions 75

Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading	8
Sitework & Foundations	6
Concrete and Reinforcement	9
Masonry	9
Carpentry	13
Roofing	5
Interior Finishes	8
Exterior Finishes	6
Associated Trades	4
Safety	7

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- **Residential Home Builder Study Guide**. ISBN: 9781323550915. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com.

ROOFING

A Roofing Contractor is a contractor qualified and certified to install, repair and replace roof systems, as defined in the South Florida Building Code, and the waterproofing thereof. Work may include, but shall not be limited to, roof deck insulation, roof coating, painting and covering, including use of sheet metal and installation of other sheet metal products incidental to roofing work, including gutters and downspouts, and other material in connection therewith or any combination thereof and including installation of nonstructural decking and siding. During the repair or replacement process of a roof system, a roofing contractor shall be allowed to repair and/or replace damaged decking and/or damaged wood structural or nonstructural members of the roof framing, provided that such replacement and/or repair conforms to the requirements of the South Florida Building Code and the repair or replacement of damaged decking and wood structural or nonstructural members of the roof framing constitutes less than fifty (50) percent of the value of the total work performed.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	9
Deck & Underlayment	10
Flashing	7
High Slope Roofing	16
Low Slope Roofing	16
Safety	7
High Wind Zone Roofing	10

References

- **Advanced Roof Systems**, 2014. ISBN: 0-13-378702-8. 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.
- **Core Curriculum Trainee Guide**, 2015. ISBN: 978-0-13-413098-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Roofing Applications**, 2013. ISBN: 0-13-377902-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

ROOFING (HAITIAN CREOLE)

A Roofing Contractor is a contractor qualified and certified to install, repair and replace roof systems, as defined in the South Florida Building Code, and the waterproofing thereof. Work may include, but shall not be limited to, roof deck insulation, roof coating, painting and covering, including use of sheet metal and installation of other sheet metal products incidental to roofing work, including gutters and downspouts, and other material in connection therewith or any combination thereof and including installation of nonstructural decking and siding. During the repair or replacement process of a roof system, a roofing contractor shall be allowed to repair and/or replace damaged decking and/or damaged wood structural or nonstructural members of the roof framing, provided that such replacement and/or repair conforms to the requirements of the South Florida Building Code and the repair or replacement of damaged decking and wood structural or nonstructural members of the roof framing constitutes less than fifty (50) percent of the value of the total work performed.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	9
Deck & Underlayment	10
Flashing	7
High Slope Roofing	16
Low Slope Roofing	16
Safety	7
Hurricane Zone Roofing	10

References

- **Advanced Roof Systems**, 2014. ISBN: 0-13-378702-8. 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.

- **Core Curriculum Trainee Guide**, 2015. ISBN: 978-0-13-413098-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Roofing Applications**, 2013. ISBN: 0-13-377902-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

ROOFING (SPANISH)

A Roofing Contractor is a contractor qualified and certified to install, repair and replace roof systems, as defined in the South Florida Building Code, and the waterproofing thereof. Work may include, but shall not be limited to, roof deck insulation, roof coating, painting and covering, including use of sheet metal and installation of other sheet metal products incidental to roofing work, including gutters and downspouts, and other material in connection therewith or any combination thereof and including installation of nonstructural decking and siding. During the repair or replacement process of a roof system, a roofing contractor shall be allowed to repair and/or replace damaged decking and/or damaged wood structural or nonstructural members of the roof framing, provided that such replacement and/or repair conforms to the requirements of the South Florida Building Code and the repair or replacement of damaged decking and wood structural or nonstructural members of the roof framing constitutes less than fifty (50) percent of the value of the total work performed.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Deck & Underlayment	10
Flashing	7
High Slope Roofing	16
Hurricane Zone Roofing	10
Low Slope Roofing	16
Plan Reading & Estimating	9
Safety	7

References

- **Advanced Roof Systems**, 2014. ISBN: 0-13-378702-8. 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.
- **Core Curriculum Trainee Guide**, 2015. ISBN: 978-0-13-413098-9. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

- **Roofing Applications**, 2013. ISBN: 0-13-377902-5. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.

SCREEN ENCLOSURE

A Screen Enclosure Contractor is qualified and certified to fabricate, erect and install on grade only, screen enclosures with metal-supporting members, in whole or in part self-supporting, having walls and roof of screen except that the roof may be of metal or plastic where the area of solid wind resistant material does not exceed forty (40) percent of the area of screen roof. The scope of work shall include footings or slab on grade in connection therewith.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Foundations and Concrete	9
Plan Reading & Estimating	18
Safety	16
Understand and apply the building code as it pertains to the construction of screen enclosures and associated work.	7
Screen Enclosures	25

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)
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. 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

SCREEN ENCLOSURE (2023 EDITION)

(UPDATED TO 2023 CODE) A Screen Enclosure Contractor is qualified and certified to fabricate, erect and install on grade only, screen enclosures with metal-supporting members, in whole or in part self-supporting, having walls and roof of screen except that the roof may be of metal or plastic where the area of solid wind resistant material does not exceed forty (40) percent of the area of screen roof. The scope of work shall include footings or slab on grade in connection therewith.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Foundations and Concrete	8
Plan Reading & Estimating	20
Safety	15
Understand & apply the building code as it pertains to construction of screen enclosures & associated work.	6
Screen Enclosures	26

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)
- **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

SCREEN ENCLOSURE (SPANISH)

This exam tests a candidate's knowledge of the skills required to fabricate, erect, and install (on-grade only) screen enclosures with metal-supporting members. The roof may be of metal or plastic where the area of solid wind resistant material does not exceed 40 percent of the screen roof area. The scope of work shall include footings or slab on grade in connection therewith.

Number of Questions	75
Time allowed (hours)	3
Subject Area	# Quest.
Foundations and Concrete	9
Plan Reading & Estimating	18
Safety	16
Understand & apply the building code as it pertains to construction of screen enclosures & associated work.	7
Screen Enclosures	25

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)
- **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
- **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

STRUCTURAL STEEL ERECTION

A Structural Steel Erection Contractor is a contractor qualified and certified to erect structural steel shapes and plates including such minor field fabrication as may be necessary, of any profile, perimeter or cross-section, that are or may be used as structural members for buildings and structures, including steel joists, steel decking and siding, and communication towers, and including riveting, welding and rigging only in connection therewith.

Number of Questions	75
Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading & Estimating	7

Structural Steel	15
Welding & Cutting	10
Structural Steel-Bolting	6
Metal Decking	6
Metal Buildings	4
Metal Joists & Trusses	11
Rigging and Cranes	11
Safety	5

References

- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.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 (SPANISH)

This exam tests a candidate's knowledge of the skills required to erect structural steel shapes and plates, including minor field fabrication. Shapes may be of any profile, perimeter, or cross-section used as structural members, including steel joists, steel decking and siding, and communication towers. Work covered also includes project-related riveting, welding, and rigging.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	7
Structural Steel	15
Welding & Cutting	10
Structural Steel-Bolting	6
Metal Decking	6
Metal Buildings	4
Metal Joists & Trusses	11
Rigging and Cranes	11
Safety	5

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
- **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

A Swimming Pool Contractor is a contractor whose scope of work involves two (2) or more building trades or crafts and is qualified and certified to excavate, construct, fabricate, install and equip swimming pools and such contractor shall subcontract to a qualified contractor, in the field concerned, all other work set forth in this chapter as being the exclusive work of a plumbing, electrical, mechanical or liquefied petroleum gas contractor.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	4
Site Preparation, Excavation and Backfilling	7
Pool Shell Construction	20
Interior Surface Preparation and Finishing	15
Pool Equipment & Piping	11
Accessory Work	3
Care and Operation	7
Safety	8

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.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Builder's Guide to Swimming Pool Construction**, 2005. ISBN: 978-1889892504. Builder's Book, Inc., 8001 Canoga Avenue, Canoga Park, CA 91304. Available at www.amazon.com.
- **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 Candidate printed versions allowed if exam is open book
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

SWIMMING POOL (SPANISH)

This exam tests a candidate's knowledge of the skills required to excavate, construct, fabricate, install, and equip swimming pools. This license excludes plumbing, electrical, mechanical, or liquefied petroleum gas contractor work.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	4
Site Preparation, Excavation and Backfilling	7
Pool Shell Construction	20
Interior Surface Preparation and Finishing	15
Pool Equipment & Piping	11
Accessory Work	3
Care and Operation	7
Safety	8

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.
- **Basic Safety**. ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com.
- **Builder's Guide to Swimming Pool Construction**, 2005. ISBN: 978-1889892504. Builder's Book, Inc., 8001 Canoga Avenue, Canoga Park, CA 91304. Available at www.amazon.com.
- **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 Candidate printed versions allowed if exam is open book
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>

UNIT MASONRY, MARBLE & EXTERIOR VENEER

A Unit Masonry, Marble & Exterior Veneer Contractor is qualified and certified to select, cut and lay brick and concrete block or any other unit masonry products, or clay products, rough cut and dress stone, artificial stone and precast blocks, structural glass brick or block, decor block and veneer, laid at random or in course with or without mortar, or to do any part of any combination thereof and shall include the application of tile to floors and exterior wall surfaces; provided, however that the scope of works shall not include the pouring, placing or finishing of cast-in-place concrete except for masonry or precast concrete fences.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	7
Masonry Units	13
Mortar & Grout	12
Reinforcement	12
Masonry Installation	15
Marble & Tile	9
Safety	7

References

- **ACI 530 Building Code Requirements and Specification for Masonry Structures 2013, May be replaced by TMS420/602-22**, 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
- **Building Code Requirements and Specification for Masonry Structures, This may replace ACI 530 Building Code Requirement**, 2022. ISBN: 978-1-929081-65-3. The Masonry Society, 105 South Sunset Street, Suite Q, Longmont, CO 80501-6172. This replaces ACI 530. Available at <https://shop.iccsafe.org>
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org

- **Masonry Level One**, 2013. ISBN: 0133402487. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Masonry Level Three**, 2014. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **Masonry Level Two**, 2014. ISBN: 013377970X. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.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.

UNIT MASONRY, MARBLE & EXTERIOR VENEER CONTRACTOR (2023 EDITION)

(UPDATED TO 2023 CODE) A Unit Masonry, Marble and Exterior Veneer Contractor is qualified and certified to select, cut and lay brick and concrete block or any other unit masonry products, or clay products, rough cut and dress stone, artificial stone and precast blocks, structural glass brick or block, decor block and veneer, laid at random or in course with or without mortar, or to do any part of any combination thereof and shall include the application of tile to floors and exterior wall surfaces; provided, however that the scope of works shall not include the pouring, placing or finishing of cast-in-place concrete except for masonry or precast concrete fences.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Masonry Units	13
Mortar & Grout	12
Reinforcement	11
Masonry Installation	16
Marble & Tile	9
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
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Setting Tile**, 1995. The Taunton Press, 63 South Main St., P.O. Box 5506, Newton, CT 06470. Available at www.taunton.com.
- **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.

UNIT MASONRY, MARBLE & EXTERIOR VENEER CONTRACTOR (SPANISH)

A Unit Masonry, Marble & Exterior Veneer Contractor is qualified and certified to select, cut and lay brick and concrete block or any other unit masonry products, or clay products, rough cut and dress stone, artificial stone and precast blocks, structural glass brick or block, decor

block and veneer, laid at random or in course with or without mortar, or to do any part of any combination thereof and shall include the application of tile to floors and exterior wall surfaces; provided, however that the scope of works shall not include the pouring, placing or finishing of cast-in-place concrete except for masonry or precast concrete fences.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Masonry Units	13
Mortar & Grout	12
Reinforcement	12
Masonry Installation	15
Marble & Tile	9
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
- **Florida Building Code 2020 - Building**, 2020. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. www.iccsafe.org
- **Masonry Level One**, 2013. ISBN: 0133402487. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Masonry Level Three**, 2014. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **Masonry Level Two**, 2014. ISBN: 013377970X. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.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.

UNIT MASONRY, MARBLE & EXTERIOR VENEER CONTRACTOR SPANISH (2023 EDITION)

A Unit Masonry, Marble & Exterior Veneer Contractor is qualified and certified to select, cut and lay brick and concrete block or any other unit masonry products, or clay products, rough cut and dress stone, artificial stone and precast blocks, structural glass brick or block, decor block and veneer, laid at random or in course with or without mortar, or to do any part of any combination thereof and shall include the application of tile to floors and exterior wall surfaces; provided, however that the scope of works shall not include the pouring, placing or finishing of cast-in-place concrete except for masonry or precast concrete fences.

Number of Questions 75
Time allowed (hours) 3

Subject Area	# Quest.
Plan Reading & Estimating	7
Masonry Units	13
Mortar & Grout	12
Reinforcement	12

Masonry Installation	15
Marble & Tile	9
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
- **Florida Building Code 2023 - Building**, 2023. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. <https://shop.iccsafe.org/>
- **Masonry Level One**, 2013. ISBN: 0133402487. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.com>.
- **Masonry Level Three**, 2014. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336.
- **Masonry Level Two**, 2014. ISBN: 013377970X. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at <http://nccer.pearsonconstructionbooks.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.

Prov✓Candidate Instructions Handout

Please take a moment to read the following information (front and back). If you have any questions then please let your proctor know. Failure to follow these testing rules can have serious consequences.

Be advised, the testing center and testing room may be under video surveillance.

Testing Rules

- Be courteous and do not disturb others.
- After you are seated, follow all the instructions given and verify the information presented to you. This information will include your name, candidate ID, exam name, and occasionally additional testing Materials such as graphics.
- If you leave the testing room during the test, you must notify your proctor and turn in all your testing materials.
- If you take a restroom break the test time will continue to countdown and the lost time cannot be recovered.
- If your computer freezes, shuts down, or will not move to the next question notify your proctor immediately and they will be able to restart your exam without loss of available testing time.
- At the end of your test, remain seated, raise your hand and wait for the proctor to start the check-out process with you. Once all testing materials have been accounted for by your proctor, you may collect your belongings and leave the testing center.
- If permitted by your jurisdiction, you will receive your testing results today; otherwise, you'll be notified of your testing results by either Prov or your jurisdiction.



Reference Rules for Open Book Exams

- Book title must be exact. *Exceptions:* Older/new editions are always permitted. Substitutes are allowed if listed in the Exam Details.
- Photocopied versions of a reference book are ONLY permitted when stated in the Exam Details.
- Permanent tabs such as gummed tabs, self-adhesive tabs with printable inserts, or insertable tab dividers (for three ring binders only) are permitted.
- Moveable items such as repositionable tabs or Post-it notes are NOT permitted in a reference book.
- Books can have highlighting and underlining in pen only, however you cannot mark in your books during the test.
- Handwritten notes are NOT allowed in any portion of a reference book unless authorized by your licensing or certifying jurisdiction.
- Other documents (such as formula sheets or the Tom Henry and Kelly Indexes) or stickers (such as Ohm's Law) CANNOT be added, glued or taped to a reference book.

Unethical behavior

Individuals caught giving or receiving assistance during or after the examination, or caught using unauthorized materials during the examination will be reported to the Board. Those caught in the act of cheating will be dismissed from the examination and their testing results will be frozen. Furthermore, the candidate will forfeit the examination fees paid. Finally, anyone caught with test questions in their possession, either during or following the examination will be prosecuted by Prov for theft of copyrighted testing materials.

In the next few days, Prov will email you a link to our candidate experience survey, please let us know how we did!

Computer Testing Navigation

ProV Sample Exam 2013 861935122 Blake Blakeney 895362

Question 8 Time Remaining 00:27:41 Question Answered 1 Question Unanswered 9

Which of the following balls is to be played using the feet?

1. ☒ A

2. ☐ B

3. ☐ C

4. ☐ D

A B C D

enlarge image

UnFlag Comment Summary Calculator Unit converter

Back Next End Test

Total number of questions	Indicated in the upper right-hand corner of the screen.
Available time	Posted in hours and minutes. The test will end automatically when Time Remaining reaches 0:00.
Selecting your answer	Use your mouse to select a number (1 , 2 , 3 , or 4). The answer is highlighted (or checked) when selected. You may change your selected answer for any question until the test is over. If you do not know the answer to a question, it is to your advantage to guess, since there is no penalty for a wrong answer.
Tracking difficult questions	Press the Flag Button to help you keep track of questions you wish to return to at a later time. Flagging questions has no impact in scoring. Press the button again to Unflag the question. You may see which questions have been flagged by clicking Summary .
Question comments	During the assessment, you may find that you have a question or concern about a particular test question. The proctor cannot answer questions about test content at any time; however, you can send a comment to Prov's Test Development Department by clicking the Comment button. Please leave a specific description. Staff will process your comments/questions within two weeks. You can refer to your examination handbook for more information on how comments are processed.
Moving to a different question	Use your mouse to select the Next or Back buttons. Press Next to move forward. Press Back to move backward. You may also use your arrow keys (← →) to move forward and backward through the test.
Reviewing your progress	Press the Summary button to see a table indicating which questions are unanswered or which you have flagged.
Ending the test early	Press End Test button when you are ready to leave the test. It is recommended that you review your exam and verify there are no unanswered questions prior to ending the test.