

Hurricane Protection

License Information

Scope – Tests a candidate's knowledge of the fabrication, repair, maintenance, installation, and attachment of exterior opening protection assemblies, including hurricane shutter assemblies and similar products.

Examination Outline

Open Book

50 Questions

Time limit: 2 hours and 10 minutes

75% Correct required to pass

Exam Topic	%
Estimating	4
Definitions	14
Materials and Components	20
Methods	34
Tools and Equipment	14
Safety - OSHA	14

References

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

1. *2007 Florida Building Code: Building Volume*, Published 2008, International Code Council (ICC), 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
2. *2007 Florida Building Code: Residential Volume*, Published 2008, International Code Council (ICC), 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
3. *Code of Federal Regulations, Title 29, Part 1926* (OSHA), Revision July 1, 2008, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, www.access.gpo.gov.
4. *Guide to Aluminum Construction in High-Wind Areas*, 2007, Aluminum Association of Florida (AAF), 1650 South Dixie Highway, Suite 500, Boca Raton, FL 33432, www.aaof.org.

For information on how to obtain exam references, please call toll-free 877.624.2562.

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Hurricane Protection Installer - DFE1V

Volusia County

Scope

A *Hurricane protection installer* is a person or firm qualified and certified to perform fabrication, repair, maintenance, installation, and attachment of exterior opening protection assemblies, including hurricane shutter assemblies and similar products to protect residential and commercial dwellings. A hurricane protection installer may brace existing garage doors to comply with the Florida Building Code but shall not install new garage doors. Any electrical work performed in connection with the installation of protection devices may be included in the contract but must be subcontracted to a certified or registered electrical contractor.

Examination Content Outline

The examination is based on trade-specific information pertaining to materials, tools, equipment, practices, terminology, and relevant laws. It is a two (2) hour, open book examination that consists of 50 questions.

Subjects:	No. of Items
Materials and Components	10
Installation	17
Definitions	7
Tools and Equipment	7
Reinforcement	2
Safety	7
Total:	50

Approved References

1. **Florida Building Code (Building)**, 2010
2. **Hurricane Shutter Designs**, 2008, www.apawood.org
3. **Code of Federal Regulations- Title 29, Part 1926** (OSHA), 2003
4. **Design and Control of Concrete Mixtures**, Kosmatka and Panarese, 14th Ed, 2002 with 2008 rev.
5. **Placing Reinforcing Bars**, 9th Edition, 2011

Hurricane Protection Installer

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Number of Questions	50
Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading & Estimating	5
Metal Storm Panel Shutters	6
Wood Storm Shutters	5
Installation & Anchorage	12
Building and Municipal Codes	7
Garage Door Reinforcement	10
Safety	5

References

- **Basic Safety, 2009. ISBN: 978-0-136-09875-1.** NCCER MATS Testing, 13614 Progress Blvd, Alachua, FL 32615. Available at www.provbookstore.com or <http://nccer.pearsonconstructionbooks.com>
- **Carpentry Level One, 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 2010** - Building, 2010. ISBN: Item #:5601L10. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at www.iccsafe.org.
- **Hurricane Shutter Designs.** APA - The Engineered Wood Association, 7011 S. 19th ST, Tacoma, WA 98466. Available at www.apawood.org Candidate printed versions allowed if exam is open book.
- **TDS 161 - Connecting Garage Door Jambs to Building.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <http://www.dasma.com/PubTechData.asp>. Candidate printed versions allowed if exam is open book
- **TDS153 Vertically Reinforcing Sectional Garage Doors for Wind Load Conditions.** Door and Access Systems Manufacturers Association International, 1300 Sumner Avenue, Cleveland, OH 44115-7333. Available at <http://www.dasma.com/PubTechData.asp>. Candidate printed versions allowed if exam is open book.