



RCI, Inc.

1500 Sunday Drive, Suite 204
Raleigh, NC 27607-5151
800.828.1902 - voice
919.859.1328 - fax
rci@rci-online.org - e-mail
www.rci-online.org - web

FOR IMMEDIATE RELEASE

William Myers – Director of Marketing Communications

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RCI Reveals Part Two of Online Educational Program Series: *Wind Design for Low-Slope Roofs*

Raleigh, NC – RCI, Inc. has released the second program in a two-part e-learning series addressing wind-related design considerations for low-slope roofs. The new online educational program is titled: *Wind Design for Low-Slope Roofs – Part II: FM Global Guidelines and Best Practice Considerations*.

To learn more about this and other RCI e-Learning programs, visit: <http://www.rci-e-learning.org>. The class is a follow-up and sister program to: *Wind Design for Low-Slope Roofs – Part I: ASCE 7-05 Wind Load Calculations*.

RCI's e-Learning programs allow students a convenient means to study modern design considerations for roofing, waterproofing and exterior wall applications without the need for travel and time away from work and home. Continuing education credits are granted to students upon completion of each program.

RCI is an international association of professional consultants who specialize in the specification and design of roofing, waterproofing, and exterior wall systems. RCI regularly hosts education programs formatted to explain sound application of roofing, waterproofing and exterior wall technologies. For more information about RCI, visit www.rci-online.org or call 800-828-1902.

Course descriptions for Parts I and II of the Wind Design for Low-Slope Roofs programs are offered below:

WIND DESIGN FOR LOW-SLOPE ROOFS - PART II: FM GLOBAL GUIDELINES AND BEST PRACTICE CONSIDERATIONS

In Part II of the Wind Design e-learning series, FM Global Guidelines and Best Practice Considerations, students will use ASCE 7-05 methods and nomenclature to develop a working understanding of FM Global wind-pressure guidelines and other FM Global wind-related requirements. Additionally, ASCE 7 methods will

be applied to other wind-related roof design issues such as: flashing design, existing roof evaluations, and the design of ballasted roof assemblies.

Understanding ASCE 7-05 wind-load calculations through completion of Wind Design for Low-Slope Roofs Part I or through other learning experience is recommended.

Objectives:

- Determine roof membrane design uplift pressures using FM Global methods and tables
- Understand and apply FM Global Data Sheets 1-49 and 1-52
- Employ ANSI/SPRI RP-4 and FM Global ballasted roof guidelines to design ballasted roof systems
- Apply ANSI/SPRI ES 1-03 calculations and testing methods to flashing designs in order to create flashing assemblies that resist calculated pressures and meet building codes
- Select appropriately tested roof assemblies that meet uplift pressure guidelines calculated according to ASCE 7-05 and FM Global procedures

- 4 Continuing Educational Hours (CEHs)
- Registration Cost: \$260 for RCI Members and \$320 for Nonmembers
- Course URL: <http://www.rci-e-learning.org>

WIND DESIGN FOR LOW-SLOPE ROOFS - PART I: UNDERSTANDING ASCE 7-05 WIND LOAD CALCULATIONS

In Part I of the Wind Design e-learning series, Understanding ASCE 7-05 Wind Load Calculations, students will learn how to calculate wind uplift forces on low-slope roof membranes using ASCE 7-05. This skill will be applicable to buildings of different types and in different geographical locations, including hurricane-prone regions. Understanding these calculations will help make the student comfortable with wind uplift calculations for FM Global design and the use of ANSI/SPRI ES-1 methodology.

Objectives:

- Understand the importance of velocity pressure in wind design
- Evaluate impact of geographic location, surrounding terrain, building height, and other factors of velocity pressure

- Convert calculated velocity pressure into uplift pressures in three zones on the roof
- Determine additional pressure on the membrane contributed by internal pressure
- Calculate uplift pressures

- 4 Continuing Educational Hours (CEHs)

- Registration Cost: \$260 for RCI Members and \$320 for Nonmembers

- Course URL: <http://www.rci-e-learning.org>

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