

AIA: CRCA2021-1E ALA: TBD IIBEC: TBD ICC: TBD

Friday, January 22, 2021

**9:30-10:30 am – “Roofing & New Wind Uplift Requirements in 2018’s Codes”  
Presented by Mark Graham, NRCA**

*Mark Graham, NRCA’s Vice President of Technical Services, will present on the International Building Code requirements for wind resistance based on the new reference to the ASCE 7-16 Standard vs. the older ASCE 7-10 version.*

**Learning Objectives:**

1. Identify the International Building Code requirements for wind resistance.
2. Understand the new requirements in the American Society of Civil Engineers, *Minimum Design Loads and Associated Criteria for Buildings and Other Structures*, ASCE 7-16.
3. Learn about the resulting fastening patterns for roof insulation on low sloped roofs.
4. Compare and understand the changes from the old 2010 version to the new ASCE 7-16 standard in the International Building Code will increase design responsibilities.

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Mark Graham holds a Bachelor of Science degree in Architectural Engineering from the Milwaukee School of Engineering. In 1984, he began his career in the roofing industry when he joined F.J.A. Christiansen Roofing Co., Inc. in Milwaukee as an estimator and project manager. In 1986, he joined Wiss, Janney, Elstner Associates, Inc., in Northbrook, Ill., as a project engineer specializing in the investigation, design and repair of roofing and waterproofing systems.

Graham joined the NRCA in 1993. His responsibilities include developing and implementing the association's technical positions, responding to inquiries for technical assistance, serving as the association's liaison with outside organizations, and developing and maintaining the association's technical publications, including *The NRCA Roofing Manual*. Graham is also a contributing editor for NRCA's *Professional Roofing* magazine.

He is a recipient of ASTM International's William C. Cullen Award for distinguished contributions and leadership to the field of roofing and waterproofing. He is also a recipient of MRCA's James Q. McCawley Award for outstanding service and dedication to the roofing industry. Also, he is a recipient of the North/East Roofing Contractor Association's Clarence J. Carr Roofing Industry Award for his service, contribution and dedication to the roofing industry.

Graham is an active member of ASTM International and serves on the executive committee of Committee D08-Roofing and Waterproofing. He is also an active member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc., International Code Council and National Fire Protection Association.