



# Safe Room Design

(Part of SEAoAL 5th Annual Conference & Expo)

## THURSDAY, AUGUST 27, 2015

### 1.5 AIA HSW

**8.00 a.m. – 8.30 a.m. Registration, Breakfast & Coffee Bar**  
**8:30 a.m. – 9:45 a.m. Safe Room Design Lecture**

**ROSEWOOD HALL**  
**2850 19TH ST. S.**  
**Homewood, AL 35209**  
**205-414-3950**

In the past few years, building for natural disasters has been thrust into the public eye after recent tornados wiped out entire cities and took many American lives. Architects must work to stay aware of these challenges when setting out to design safe, strong and durable buildings for tenants and occupants. This lecture will focus on building design and the strength needed to withstand natural disasters such as hurricanes, tornados and earthquakes. The lecture also will:

- Explore current ICC 500 Standard design methodology and how proposed changes for 2016 might affect the design methods and results.
- Discuss ICC 500 coverage of tornado-generated debris and missiles, given there are no current numerical methods to determine damage or failure caused by these high speed missiles.
- Illustrate safe room design methods with examples of wood, masonry and concrete safe rooms.

**Seminar Instructor**—**William Coulbourne, P.E., SECB**, has a BS in Civil Engineering from Virginia Tech and a Masters in Structural Engineering from the University of Virginia. He is a national expert in wind and flood mitigation and has been involved in FEMA Mitigation Assessment Teams for more than 15 years. Having been involved in every major hurricane and flood disaster since 1995, Bill has investigated failures and mitigation design techniques for thousands of buildings, including residential structures, schools used as shelters, hospitals, and other critical facilities.

## Registration Form

Please print legibly. Companies with multiple attendees, please fill out a form for each person.

Name	Company	
Address	City	Zip
Email	Phone	Cell

### Early Registration: Received by August 20, 2015

- AIA Member      \$ 30
- Non Member      \$ 50

### Late Registration: August 21 - August 25, 2015

- AIA Member      \$ 50
- Non Member      \$ 70

***Check or cash ONLY.***

**Make checks payable to:**  
**Structural Engineers Association of Alabama**  
**P.O. Box 660584 Birmingham, AL 35266-0584**

**Email registrations to:**  
**rhea@karmamanagementinc.com**

**Rhea Williams**  
Executive Director, SEAoAL

