

# Detailed Course Outline

## **Course Name:**

Three Building Envelope Construction Methods for Increased Windstorm Resistance: Case Studies and Practices

### **1. Introduction**

- a. High Performance Wall System: Case studies
- b. Cast-in-place concrete
- c. Insulated concrete forms
- d. Structural insulated panels

### **2. Break**

### **3. Design to Reduce Risks**

### **4. Water Intrusion**

- a. Major intrusion drivers
- b. Risks and prevention: Stucco
- c. Risks and prevention: Soffits
- d. Risks and prevention: Roof vents
- e. Risks and prevention: Windows
- f. Risks and prevention: Doors
- g. Risks and prevention: Slab seat

### **5. Review**

### **6. Evaluation**