



## **Air Barrier and Shelf Angle Design, Detailing, and Lessons Learned** (1.5 hours, 1.5-AIA HSW)

There are many different ways to design and install a shelf angle. The design of the shelf angle should be integrated with the air barrier continuity in the early stages of the building design. The team must collaborate with the structural engineer and design a system that will work with the exterior sheathing, CMU, or other substrates, and the air barrier installation. Detailing the shelf angle with an understanding of the installation as a whole, making sure that the air barrier system has continuity, constructability, and good detailing practices will facilitate a successful installation.

### **Learning Objectives:**

1. Review several different types of shelf angle designs and what the pitfalls are with each shelf angle type.
2. Learn how to review the shelf angle in preconstruction to make the installation of the air barrier constructible and continuous on the elevation.
3. Understand what is needed for proper detailing for an air barrier installation and shelf angle design
4. Identify and understand how the shelf angle could be installed to accommodate the air barrier detailing and prevent constructability issues before construction.