



Exterior Air Barrier Systems AIA CES Course

High Performance Building – Part 1

AIA CES Course Number: CDP103 · AIA CES Provider Number: K203 · 1 Hour / 1 Learning Unit

Course Description

Air barrier systems are becoming a more important concern for modern, high performance commercial buildings. This presentation will help you understand changing codes and standards, why air tightness is important for commercial buildings, and how to detail exterior air barrier systems. You will also learn the performance characteristics of the various membrane types to aid you in choosing the right membrane for each structure. Because air tightness is a “whole building” characteristic that depends on the work of multiple trades, we will also look at commissioning and inspection during construction. You will come away with a stronger understanding of how air barrier systems work and how to solve common problems in design and construction.

Learning Objectives

At the end of the this course, participants will be able to:

1. Understand the importance of air control for high performance commercial buildings, including energy efficiency, durability, occupant health and comfort.
2. Have a working knowledge of the fundament building science behind air control and air barrier systems.
3. Be able to identify critical air barrier details during design and understand common solutions for high performance enclosures.
4. Be able to inspect and test air barriers and air barrier components on construction mock-ups or during construction.



Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request. This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.