



Air Control Fundamentals

AIA CES Course

Building Enclosure Control Fundamentals – Part 3 of 3

AIA CES Course Number: CDP107 · AIA CES Provider Number: K203 · 1 Hour / 1 Learning Unit

Course Description

The control of air infiltration and exfiltration is becoming increasingly important for modern energy efficient buildings. This course presents the arguments for air tightness in buildings and how to detail air barrier systems. Because airtightness 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 why air tightness is part of high performance buildings.
2. Understand the building science behind air control for enclosures.
3. Apply building science fundamentals to air control for high performance buildings.
4. Understand the evolving air barrier and air tightness requirements for building.



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.