



Fall 2017

Free Codes Training

Register online at: www.idahocities.org/2017codetrainings

Division of Building Safety, 1090 E Watertower St, Suite 150 Meridian ID 83642

All classes will be held in the Training Center. The entrance is on the South side (street side, second door from the West end). Signs will be posted and the door is marked "Training Center".

10-17-17	7am	Residential Ventilation 1 st hour	8:15am	Residential Ventilation 2 nd hour
10-24-17	7am	2015 IECC Commercial Code	8:15am	Commercial Continuous Insulation
10-31-17	7am	Residential Renewables in Idaho	8:15am	2015 Commercial Code
11-7-17	7am	Commercial Continuous Insulation	8:15am	Effective Air Sealing
11-14-17	7am	Air Leakage - Commercial	8:15am	Residential Renewables in Idaho
11-28-17	7am	Residential Attic Ventilation	8:15am	Managing Moisture - Residential
12-5-17	7am	Effective Air Sealing	8:15am	Duct and Envelope Testing
12-12-17	7am	Conditioned Crawlspace	8:15am	Residential Attic Ventilation

Course Descriptions (some courses are offered twice)

These sessions provide architects, designers, builders, contractors, inspectors and installers with resources and code references to assist with the design, construction, installations and inspections of specific components of commercial buildings and/or residential homes.

Residential Ventilation – 2 hours

Ken Nelson (Panasonic Eco Solutions) reviews IAQ problems that result from excess condensation, when condensation becomes a problem, where to find potential condensation areas and how to prevent condensation in the home. In addition, Ken will provide the latest information and products for managing condensation, options for meeting minimum ventilation rates and a quieter more cost effective approach for ventilating sealed crawlspaces. New shallow mount quiet fans, wall controls and low cost ERVs will be on display.

2015 IECC Commercial Code – 1 hour

Eric Makela (Cadmus Group) will discuss the significant changes of the 2015 IECC Commercial code that will be effective January 1, 2018. Key topic items are changes to the building envelope, lighting systems and additional efficiency package options.

Commercial Continuous Insulation – 1 hour *

Gunnar Gladics (Pilot North Design) reviews the challenges and requirements of building wall systems with continuous insulation in non-combustible walls. The course will provide a refresher of basic building science principals and current code requirements. Following a review of the requirements we will look at several case studies showing applications of continuous insulation in both steel framed and mass wall (CMU or Conc.) construction.

Residential Renewables in Idaho – 1 hour *

Jimmie Stansell (Idaho Division of Building Safety) reviews Idaho Statues, Policies, the 2017 National Electrical Code, and associated hazards in reference to the installation of Renewable Energy Systems in Idaho

Conditioned Crawlspaces – 1 hour

Jerry Peterson (Idaho Division of Building Safety) explains the difference between conditioned and unconditioned crawlspace on a code level, what purpose the conditioned crawlspace serves and which environment is most conducive to the conditioned crawl's benefits and the best practices for installations.

Effective Air Sealing – 1 hour *

Jerry Peterson (Idaho Division of Building Safety) gives you a short history of air sealing in the codes and unravels some of the mystery of why one of the most important parts of building an energy efficient home is often overlooked. Based on years of field work and multiple Treasure Valley homes as case study, the presenter provides an overview of materials, costs and best practices for building a business case on why air sealing deserves more focus.

Air Leakage Control in Commercial Building Enclosures – 1 hour *

Ross Phares (Dupont) explains that air leakage is important because it can transport heat, moisture and contaminants through the building enclosure and can impact building energy performance, envelope durability and occupants' comfort. A continuous air barrier is critical for air leakage control. Air barrier performance requirements which include air infiltration resistance, continuity, structural integrity and durability will be reviewed. Energy codes which regulate air barrier requirements will be highlighted along with the three compliance options: air barrier materials, assemblies and whole building airtightness.

Residential Attic Ventilation – 1 hour *

Jerry Peterson (Idaho Division of Building Safety) addresses "attic ventilation" and the significant effect proper ventilation has on energy efficiency, comfort and durability. Using multiple case studies as a backdrop, the presenter explains that the same issues that create ice dams in winter also have an effect on air conditioning demands and premature roof failure. The class covers codes, proper calculations, material specifications and best practices for reviewing, inspecting and installing ventilation in a common sense, cost effective manner

Managing Moisture in Residential Construction – 1 hour *

Ross Phares (Dupont) will discuss the challenges in moisture management and durability posed by energy efficient wall systems. A significant amount of research has been conducted on traditional wall systems, leading to water-resistive barrier, drainage, window installation and flashing recommendations. This presentation will review water management code requirements and discuss how these established water management recommendations and code requirements relate to highly insulated and airtight wall assemblies. The implications of air barriers and vapor retarders on wall system moisture management and building durability will also be discussed.

Duct and Envelope Testing – 1 hour

David Freelove (Idaho Energy Code Circuit Rider) answers questions about specific energy efficient measures and their effectiveness. Topics include infiltration, conditioned attics and crawlspaces and an overview of the DET (Duct and Envelope Tightness) Training that is now available through IDABO and the Idaho Energy Code Circuit Rider.

Register online at:

www.idahocities.org/2017codetrainings

Courses are approved for ICC “preferred provider” CEU’s
* AIA CE’s are available where indicated