



VCA Green Class Descriptions – Dwell on Design Conference, Los Angeles, May 29, 2015

Title-24 Residential Envelope – Design, Field Compliance, and Third Party HERS Testing

The 2013 California Energy Code is requiring tighter building envelopes, additional ventilation, and stricter energy performance requirements. In this class, new energy code requirements pertaining to residential building envelope will be discussed. Home owners, developers, designers, architects, engineers and other building practitioners will learn a.) how to comply with Title 24, b.) why we energy model, c.) how HERS measures can boost energy savings, and d.) what pitfalls can be avoided during construction.

Learning Objectives:

1. Learn newly adopted Title-24 building envelope requirements
2. How an energy model changes relative to prescriptive-based requirements
3. Which HERS measures are required & which measures will often be selected to achieve energy compliance
4. How to address new measures in design and in specifications

Non-residential California Energy Code Building Commissioning – What is It and How to Comply?

Building commissioning is a process that delivers quality assurance on behalf of ownership and the design team. Now a required code item, commissioning measures will need to be addressed on all non-residential new construction projects 10,000 square feet or greater. The process begins at design kick-off and ends when the operations staff is trained. Learn a.) what commissioning is, b.) how it affects the design and construction process, and c.) how designers can better prepare themselves for plan check.

Learning Objectives:

1. Commissioning 101 - learn the basic steps in the commissioning process
2. Benefits of commissioning to the designer and owner
3. What documents to prepare in design phase
4. What to expect during the design quality assurance phase
5. What is the role of the commissioning agent during the construction process