



PIMA Educational Program: Reroofing Requirements in the 2015 International Codes

Course Length: 1 Hour

The International Code Council (ICC) publishes a coordinated set of model codes that provides comprehensive minimum requirements for the building and construction environment. These codes, often referred to as the “I-Codes”, consist of a base building code (the *International Building Code* or IBC) and separate volumes addressing subjects such as plumbing, mechanical, residential construction, energy conservation and existing buildings, among others.

Most of the I-Codes are based on the default requirements for new construction. Roofing, however, is different. Most (about 75%) of the roof systems installed on US buildings end up on *existing* buildings, not new. Reroofing is one of the most common construction projects; most US buildings will have three or more roof systems during their useful lifespans.

In order to fully understand the code requirements for reroof projects, it is necessary to review three separate codes. While the IBC contains the basic material requirements for roof covering assemblies, other provisions for reroofing can be found in the *International Existing Building Code* (IEBC) and the *International Energy Conservation Code* (IECC). Recent clarifications and reorganizations to the IECC and IEBC for reroofing have improved the clarity of the code requirements, but given the need to coordinate the provisions across three codes, many users of the code will benefit from a reroofing review.

The PIMA session includes a discussion of the requirements and definitions for roof repair and reroofing (which includes roof recover and roof replacement) in the IBC, IEBC, and IECC. The program is intended to connect the dots and assist attendees in understanding the material and installation requirements for reroofing, as well as compliance with provisions for fire, structural, weather protection and energy efficiency. The program includes a sample permit and inspection checklist developed by PIMA in consultation with code officials. This checklist template is available for local building departments to integrate into their processes and procedures; it can be an effective resource for building owners and roofing contractors and can help local jurisdictions on code interpretation and compliance efforts.

References

IBC

1511.1
1511.2
1511.3
1511.3.1

IECC

C101.4.3
C503.3.1
C401.1
C401.2

IEBC

601.2
602.1
706
908.1

ASHRAE

90.1