



Committee Intent The Building Envelope

The CSI Phoenix Chapter Technical Committee is currently working on the topic of the "Building Envelope". Through an on-line survey, we established a direction to publish resource documents that could be used by the design and construction industry. The resource documents are currently focusing on the following topics:

- Defining "Recommended Practice," "Minimum Practice" and "Best Practice". See the CSI Phoenix Forum Pages to have your input included!
- Definitions of referenced building materials and terms
- What does Arizona's high temperature mean to the design of a building envelope
- Identification of a "Best Practice" Building Envelope Test Standard

The documents will be expanded to include various detailed assembly methods and materials to achieve a properly designed and constructed building envelope based on the identified energy codes and assembly standards. Some of these future documents may include the following:

- Building insulation, type and location
- Fenestration
- Wall assemblies and performance
- Expansion joints/sealants
- Roofing systems, insulation placements and vapor barriers

Refer to our Technical Resources website for previously published documents. The documents can be located at <http://www.csiphoenix.org/TechnicalResources.aspx> and include the following:

- Underslab Vapor Retarders
- **Energy Codes Adopted by Arizona Municipalities**
- Roof Design Resource for Improved Energy Efficiency and Heat Island Reduction in Arizona

Researching the adopted energy codes throughout the state, there is no state mandated commercial energy code. Arizona is a "home rule" state with, many counties and cities adopting their own energy code. The majority of jurisdictions have adopted the 2006 International Energy Conservation Code (IECC), providing the current basis for these resources.

Additional Information:

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