



Design and Architectural Services

DESIGNING MASONRY FOR ENERGY EFFICIENCY AND CODE COMPLIANCE**
PROVIDED BY GLEN-GERY CORPORATION

This presentation addresses changes in the building code concerning energy efficiency, fire safety and their impact on masonry wall construction from air barriers, insulation, anchors and veneer.

Topics included in this presentation are --

Energy Efficiency Goals

US Department of Energy goal to reduce energy consumption in new buildings through adoption by states, counties and municipalities of new building codes including ASHRAE Standard 90.1- the US standard that provides minimum requirements for energy efficient designs for buildings. Most recent edition of the ASHRAE Standard is 2013.

Driving Forces

AIA 2030 Challenge, IBC-International Building Code (commercial code), USGBC-US Green Building Council and other organizations supporting energy goals

Compliance Paths

Prescriptive versus performance compliance with the new codes.

Energy Efficiency Strategies

Reducing air infiltration and increasing thermal resistance in buildings.

NFPA 285

Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components

Code Changes

New code requirements impact on typical wall systems for anchored and adhered masonry.