

The Importance of Zero

48-752

Zero Energy Housing



Infrared (IR) images from N. Baird's work demonstrating energy performance of leaky buildings adjacent better ones plus a govt. doc that compares national definitions of zero energy buildings.

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Nina Baird

Are you interested in designing or renovating the high-performance housing of the future? Net zero or carbon neutral buildings are become code requirements in some cities and countries and at the very least, we aspire to those standards. Yet despite numerous single-family successes, far fewer multistory, multifamily examples exist even though multifamily housing is considered an essential typology to address rapid development and urbanization. 48-752 is a graduate level course that explores the requirements and strategies for achieving successful net zero multifamily housing. Through lectures, research, discussion, and a final applied project, we consider the design approaches, codes, policy, technology, and energy infrastructure that support net zero or carbon neutral performance.