

Multifamily Buildings Designed to Meet Passive House Criteria

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ABSTRACT

"Passive House" describes a comfort and energy-efficiency standard for all building types. This presentation will focus on the design of multifamily buildings in our region to meet the Passive House criteria. The scale and form factor of multifamily buildings relative to single-family can be advantageous, while urban site constraints are often challenges that must be addressed. The audience will learn the advantages of a "fabric first" approach to design that emphasizes the importance of the building enclosure for high performance and thermal and acoustic comfort.

BIOGRAPHY

Gregory Duncan began his architectural career with an internship in Germany, the birthplace of the Passive House movement. Since 2000 he has primarily designed midrise multifamily and mixed-use buildings in New York City and surrounding areas. In 2009 he became a founding member of New York Passive House and is currently a Vice President. His Passive House consulting work includes the first certified Passive House retrofit in Connecticut.