

Abandonment to Excellence: Designing high performance masonry retrofits

Presenter: John Loercher

Presenter Biographies and Experience:

John is a Professor of Architecture, CPHC instructor for the Passive House Institute U.S. and owner of Northeast Projects LLC. He is a Certified Passive House Consultant and holds a Master of Architecture from Parsons the New School for Design.

Abstract:

This session presents the challenges faced relative to enclosure design and construction during a Passive House (Phius) certified high-performance masonry retrofit. The case study project, North Miller Passive in Newburgh NY, is a NYSERDA Buildings of Excellence recipient and as such is meticulously documented by CPHC, John Loercher of Northeast Projects. It presents various retrofit conditions encountered in the design process along with proposed solutions and discusses general concepts and strategies that are essential for the design of any masonry retrofit project. The presentation is organized by the four primary elevations of the building and the impact of differing constraints on the building enclosure.