

Executing a High-Performance Panelized Enclosure

Presenter: Bryan Bleier

Additional Presenters:

1. Corey Murphy, NYS Product Consultant for 475 Supply, cm@475.supply

Presenter Biographies and Experience:

Bryan runs New Energy Works off site construction division where we produce high efficient panelized enclosures.

Corey's central mission is to provide education, support, and action in the fight against climate change. As a Professor at RIT, CPHC, and Consultant at 475, he seeks to pursue that mission wherever possible. Bryan runs the offsite panelization program at New Energy Works where there is a strong emphasis on high performance building through the use of sustainable materials. Corey consults on airsealing, water tightness, and vapor management for 475, as well as teaches the Passive House Course at RIT. Together they have collaborated in simplifying executed details to promote performance and efficiency during the panelization process.

Abstract:

This presentation explores how off-site panelization of high-performance enclosures provides valuable opportunities to promote efficiency, durability, comfort and health using sustainable materials. We will explore how materials and execution through offsite manufacturing can promote resilience and overcome challenges presented by Climate Change. As a result of this manufacturing context, we are able to execute complex details within a controlled environment, and implement strategies that increase the resilience of the material's used within, thereby promoting long term durability.