

# Mass Timber in High Performance Building – Lessons from 11 East Lenox

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## ABSTRACT

11 E Lenox showcases implementation of several high-performance and sustainability-centric innovations. One of, if not THE first of its kind in the Boston area, this podium-free, seven story mass timber building is being built to PHIUS+ 2018 standards. The design & build teams utilized a prefabricated, modular stair core system called Redicor, produced by Vulcraft to speed up construction. The building features centralized variable refrigerant flow heat pumps for heating and cooling, heat pump domestic hot water heaters, high-performance triple glazed windows, and panelized prefabricated LGMF interior wall assemblies. The project team is fully integrated and highly collaborative with multiple BIM planning and coordination tools at their disposal alongside intensive PHIUS energy modeling to minimize late term site-centric coordination and constructability concerns. Patrick will share lessons learned from integrating Haycon's first mass timber building with other "firsts" to shed light on areas that design & build teams should consider when working with mass timber.

## BIOGRAPHY

**Patrick Larcom** is a coach and engineer working for Haycon as a project manager and passive house builder in Boston. He's passionate about connecting with people, continual learning, and changing lives. As a project manager at Haycon he gets to bring Passive House design to life. Working with all of Haycon's partners, his goal is to deliver airtight buildings that provide exceptional comfort and energy efficiency to residents and businesses in the Boston area.

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