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H2M designs 49-unit prop. for The Richmond Group; Langan Eng., Monadnock, S. Winter assist

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H2M architects + engineers designed a multi-story, multifamily property for The Richmond Group Development Corp. at 110 Ashburton Ave. The undeveloped site has now become a building with 49 residential units.

The U.S. Green Building Council (USGBC) completed its final review of the building confirming the building has LEED Gold status for its design, development and construction. The building actually has two new labels: LEED Gold Certified and Energy Star.

A traditional design would include insulation on the interior structure of the building only and not both the inside and outside. What makes this design green and sustainable is the design of various levels of insulation in the building envelope-both the wrap and the building cavity where insulated to control air infiltration and heat loss and to continue the air barrier across both the inside to the outside. The windows are equipped with high-efficiency glazing that controls heat loss and gain. The design called for a white roofing system with high solar reflectance properties and high-efficiency mechanical systems and finishes with high levels of recycled content.

H2M was the architect and mechanical, electrical and plumbing engineer and the structural engineer on the project and partnered with Langan Engineering and Environmental Services, Forum, and Capsys Corp (manufacturer of GREEN materials). Monadnock Construction was the general contractor on the project and Stephen Winter Associates was the green building consultant.

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