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Harold Alfond Forum at the University of New England, Biddeford, Maine

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The $20 million, 105,000-square-foot complex houses a 900-seat NHL-sized hockey rink and a 1,200-seat court for basketball and volleyball. In addition, the Forum has classrooms for athletic training and applied exercise science programs, strength and conditioning facilities, a cyber café for dining and student study space, conference rooms and offices for UNE's Athletics Programs. The Forum's exterior features 12,000 square feet of Englert Inc.'s 24-gauge, H12-3 corrugated vertical siding with an ULTRA-Cool Kynar 500 Sandstone and Tan finish.

The siding is interspersed with 2,000 square feet of Englert's CWP-200 Rainscreen in the Alpolic Wood Grain series that employs an integral, accent strip and adjustable attachment method. All panels were assembled using proprietary internal extrusions that provide a rigid perimeter, producing a stiff panel that resists deflection and modulation. Also used were 2,000 square feet of Englert's B4000 metallic copper soffit.

The building's structure is a pre-engineered metal building system from Butler Manufacturing. The Alfond Forum was originally envisioned in the schematics stage as a conventionally framed steel structure with a nonmetal roof. This type of construction changed to Butler Manufacturing's metal building systems when Butler Builder, Sheridan Corp. presented the construction manager and design firm significantly lower pricing for a Butler metal building systems solution. Sheridan's proposal initially included Widespan structural framing, an MR-24 standing seam metal roof system with a Simple Saver insulation system and Flat StylWall wall system in Cool Ocean Blue. The roof was later changed to the CMR-24 roof system with a Cool Igloo White finish.

The building's footprint subdivides into a 102- by 220-foot area for the ice hockey rink, 50- by 115-foot connecter and 125- by 215-foot multipurpose basketball wing. Sustainable features include a high-performance water-source heat pump system, which captures the byproduct energy off the hockey arena's ice system to heat and cool the toploaded spectator environment. The dual-purpose system is complemented by a high-output, T5 fluorescent lighting system and cool-rated finishes on the roof and walls.

General contractor: Wright Ryan, Portland, Maine

Architect: Sasaki Associates, Watertown, Mass.

Builder: Sheridan Corp., Portland

Installer: IRC Roofing, Livermore Falls, Maine

Metal building: Butler Manufacturing, Kansas City, Mo., www.butlermfg.com

Metal wall panels: Englert Inc., Perth Amboy, N.J., www.englertinc.com