

Oct. 21, 2009 - Tom Moore Green Home wins 2009 HBRA Award - Solar Way, Morrisonville, New York.

The Home Builders and Remodelers Association of Northern Vermont awarded Builder Tom Moore of Underhill Vermont the Gold Award for Best Green Features for new construction, in this recently completed 3500 square foot house.

Not only is this the most efficient home ever built by Tom Moore Builder, but the custom manufacturing and detailing of woodwork, stairs, cabinetry, built-in furniture and wood wall treatments is in character with Tom Moore's finest custom homes.

This house features an array of state-of-the-art energy saving systems and green building practices, as well as fine finishing details. The house is sited for optimal passive solar heating in winter and has substantial overhangs for passive shading in summer.

The property includes magnificent views of the Adirondacks, and features such as a solar heated in-ground swimming pool, large landscaped terrace with firepit, large screen porch of natural cedar and finished garage.

The environmental features include 5000 kw solar photovoltaic panels on the roof for electricity, and additional solar arrays will be added for hot water needs. The system is completed by a 900 gallon storage reservoir in the basement.

A centrally located masonry biomass heater radiates heat from its large red marble surfaces and is also tied to the radiant floor heating system. A heat recovery unit is installed, which is necessary due to the superior air sealing of the house to ensure proper humidity and air quality. It heats the incoming air with the outgoing air to reduce energy loss. Closed cell spray foam is used throughout the house for a superior R value.

Highly efficient triple glazed casement windows are used throughout, and some of the doors also have triple glazing and built in blinds for solar shading. All of the interior doors are custom made solid wood.

The roofing is recycled plastic synthetic slate shingles, for an exceptionally long life. (Cover story – Journal of Light Construction, June 2009.)

The floor and roof framing is made with engineered lumber. The siding is composite cement which is rot resistant and holds paint well providing excellent durability. An air-breather drainage plane is installed behind the siding to increase longevity by insuring proper drainage of water and vapor.

The flooring is all locally harvested hardwood or cork or tile. The elements of natural wood are everywhere and all the rooms have a charming old-world style, with beautiful lighting fixtures. Several ceilings including the kitchen are decorated with embossed copper tiles.

The interior boasts a large library with two entire walls devoted to bookshelves. The kitchen is complemented by a large butler's pantry with built in full-extension storage racks. The kitchen has stainless steel appliances and a smooth top cooking surface, and custom cabinetry of cherry and tiger maple. The large custom designed granite countertop features an extra copper sink and ample room for cooking and dining. The spacious dining room has stunning views to the south and east. The living room features a custom cherry archway that opens to the formal front entrance. Both the dining room and living room are dominated by the masonry heater, which will create very comforting warmth in the winter. The large master bedroom has a master bath with built-in his and hers vanities, deep jet tub and tile shower with built-in bench. The additional bedrooms on the lower level feature built in desks and dressers. The stairway to this level shows masterful maple leaf inlays and custom handrail.

The house is an incredible high performance machine which will provide hundreds of years of comfort to its inhabitants. Contact Tom Moore at 802-899-2376 or Marketing Manager Kika McArthur at 802-899-2354.

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