Up in the air

Seeking more space, the family gained a dramatic cantilever that extends the master suite into the woods. Horizontal Atlantic white-cedar gives the exterior a sleek look.

APRIL'S PROFILE OF A WELL-DESIGNED LIVING SPACE BY GEOFFREY BARTON - CORRESPONDENT

Chapel Hill -- A flat-roofed midcentury modern house burrows into its wooded slope, almost disappearing into the landscape. The addition and renovation, completed last year, give the house a renewed connection with the land and with the woods.

With a growing family, the owners needed more space. But rather than give up their Chapel Hill home in the woods, they asked Louis Cherry of Cherry Huffman Architects to design an addition that would respect noted Chapel Hill architect Arthur Cogswell's original design.

Cherry moved the master bedroom into a three-level addition that also contains a studio and wine cellar on the lower level and a rooftop dining area. With these additions, he creates more connection with the natural environment, offering both expansive and intimate views of the woods, day-lit interior spaces and several "outdoor rooms." The outdoor spaces - an extensive roof terrace, partially enclosed rooftop dining area, and a deck off the new master suite - can be used virtually year-round. Cherry demonstrates that, like kitchen cabinets and breakfast nooks, an awareness of nature can be built-in.

Contact with the outdoors permeates the interior spaces as well. Cherry says it was tricky to get views of the woods that didn't look in on the neighbors, but a refined arrangement of spaces, especially from the master bedroom, makes the broad views of the surrounding woods seem effortless.

Sustainable and natural materials formed a strong part of this renovation, with bamboo floors throughout and soapstone countertops and Eco-Cem wall panels - made from recycled wood fibers - in the master bathroom.

The striking exterior transformation included a complete re-cladding of the house with horizontal Atlantic white-cedar siding, which is naturally rot- and bug-resistant and gives the roof a slimmer profile.

Geoffrey Barton is an intern architect at HH Architecture in Raleigh. He graduated in 2009 with his Masters in Architecture from N.C. State University's College of Design.