



# Hydronic Residential

Under 3,000 sq. ft.

Advanced Radiant Design Inc. • Stone Ridge, N.Y. • Ohayo Mountain Project



## Warm Every Mountain

Last year's winner of two System Showcase Awards is back. In only its second year submitting projects to the RPA contest, Advanced Radiant Design Inc. takes home this year's prize for Residential Under 3,000 sq. ft.

The winning home sits perched on a mountain-side overlooking the Catskill Mountains of New York State, and was built in the Woodstock handmade house tradition using hand-hewn logs throughout the structure.

**A company's close attention to detail helps owners "feel the warmth."**

The heat distribution system for this 2,800-sq. ft. residence consists of three radiant-heated zones on the first floor and two zones of high temperature heat on the second floor. It's laid in a thin slab over a suspended wood floor with soapstone as a finished floor.

Due to the large glass area, the radiant tubing was laid out in parallel serpentine loops to supply the glass areas with 6-inch spacing and working back into the rooms with 12-inch spacing. This delivered a higher proportion of heat at the glass walls in order to increase the mean radiant temperature and provide greater comfort.

