

RIGHT: Roof panels are set in place with the aid of a crane. After precise fabrication in a company shop, the panels are labeled to indicate placement in the home's structure plan.

BELOW: SIPs provide a "complete wall system" alternative to traditional construction, Marty Wheeler says, because all the walls — main floor, second floor, and gables — can be built with SIPs.



Wheeler feels SIP construction is a good alternative to standard construction for a variety of reasons.

"This type of wall and roof system gives superior energy ratings," Marty says. Beyond the energy benefits, he also says the SIPs allow for flexibility in a number of areas.

"One thing I like about the system is that it is a complete wall system. In other words, all the walls, including second floor and gables, not just the main floor walls, are built with this system."

Interior wall finish is another area where choices are available, which was important in the design Bob and Sandy want in their home.

"There is absolute flexibility as to how you can finish the exterior wall in each room of the home. The Jaroses went with full-belly log siding in the great room, shallow-belly in two bedrooms, post and beam in the master suite, and drywall in other locations." ■

*In the next issue, we'll take a look at the site plan map, project timeline, and blueprint for the Jaros home, and talk to everyone involved about how these pieces come together to complete the home.*

needs of the customer," Lee continues. Panels vary from 4 feet by 8 feet, to 8 feet by 24 feet.

When Alpenglow gets the panels from the manufacturer, they are "blanks" or standard size panels. Alpenglow's shop crew then works from layouts created in CAD (computer-aided design) programs to customize the panels for the home. Framing material is added to the panels which allow them to be fitted in place on the home's

sub-floor. This could include bottom and top plates, posts that need to be located inside the wall, headers and king posts, and window and door bucks. Panels are secured in place by a combination of adhesives, fasteners or spline joinery.

In the Jaros home, perimeter walls are constructed of 6½" thick SIPs. The exterior is of incense cedar, full-belly log siding from 4¼" x 10" kiln-dried cants.