Our main frame structural components are made of thick wall aluminum tubing. The joints are connected with continuous bead welds unlike many competitors who use tack or spot welds in assembling their frames. Our continuous welds are stronger and more durable.

We also add solid core anchor blocking in the frame perimeter. The solid blocking provides substantial anchor medium for securing screw threads. Combining heavy gauge welded aluminum with solid blocking makes a light, rigid and strong frame.
Why is Continuous Welding & Solid Core Anchor Blocking Important?

Solid Core Anchor Blocking
This anchor blocking feature gives substantial strength at support points and corner connections while adding only minimal weight to the aluminum frame.
"It's the best 10 pounds you'll ever gain"

We use Solid Core Anchor Blocking and Solid Core Members at all key mounting points.

As you see in the diagrams, Silver Fox Edition features continuous welded joints and solid core anchor blocking create a far superior structural connection than the competitors empty frame tubes.
Our thermal controlled hot melt roll coating system applies single or double coating to lauan panels.

Glue application thickness, temperature ranges and humidity conditions are regularly monitored to insure that the lamination process stays within proper tolerances.

The climate conditions within our laminating facility are monitored for humidity and temperature to maintain the ideal environment for hot melt pressure lamination.

By controlling the application and environmental variables, we can produce the best curing strength from the adhesives. All of these quality control steps work together to produce an exceptionally strong, unified, single piece wall unit.
(Below) After the aluminum frame is welded, rigid 1-1/2” virgin foam insulation is cut to tightly fit in the wall panel sections. We then add steel bonderized strips at all mounting points. The bonderizers provide a steel anchor point for any fixtures that are mounted to the walls. Some manufacturers rely on attaching screws to the fiberglass skin. That method does not provide the strength that our additional steel bonderized anchor plates offer.

(Above) The outer skin of our laminated wall is made of a tough, continuous sheet of corona treated Filon. Corona treating insures the urethane is able to properly accept the hot melt adhesives. The continuous roll fed urethane laminating process eliminates midway joints that can cause leaks and weaken the structural integrity of the wall unit.

After positioning the urethane, a structural sub-layer of wood paneling is added. Our multi-layer composite wall system provides substantial strength to the coach. All layers are hot/pressure laminated, bonding them together as a single structural unit. The multi-layer exterior skin with steel bonderizer backing forms a very strong surface for anchoring fixtures.

The insulated wall section is then placed on the wood and urethane layered outer skin. Next, the hot melt coated inner finish wall panels are added. The wall assembly is now ready to move on to the pressure roller which will fuse the layers into a single bonded unit.
With all the wall components in position, the panel is passed through the pinch roller where a minimum of three tons of pressure bonds the hot glue to all layers of the composite wall. The entire laminating process occurs within just a few minutes and forms an extremely strong structural wall system.

When the wall has passed through the pressure roller, it moves on to the cutting table where all the openings and outer perimeter edges are trimmed. In the picture below, you see a completed cut out showing the thick solid foam insulation.

The computer guided CNC router cuts the openings for windows, luggage doors, and other features. (below) Continuous welds, not spot welds or tacks, make the frame very strong.

We hope you appreciate the extra steps we take and our attention to detail. Special considerations like these make our Silver Fox laminated aluminum walls a cut above the competition. Take the time to compare and we’re sure you will see the difference!
Computer Numerical Control

Our CNC router cutting system trims the laminated wall sections. The router trims the wall perimeter and all door and window openings.

(left) A window cut out is shown in blue on the monitor. The wall panel (below) is placed on the table where the router makes the cut.

All wall section cuts are directed by the computer that runs the CNC router.

Wall sections are trimmed and all openings routed. Next, the walls and other laminated panels are placed on transport racks. The panels are then moved to one of our assembly plants where they enter the production line to become part of your next Silver Fox Edition coach.