Surveyor Tansit Shots

No vertical movement, horizontal bubble level through out lateral steel frame wings under exterior wall points.

Surveyors Transit Shots

No vertical movement, horizontal bubble level all the way across steel frame lateral wings

Old Knee Wall Attach Points

Knee attached to coach with four wood screws attached vertically on each side. Six stove bolts along bottom plate.

Old Knee Wall

Starting the dismantelling process.

Old Knee Wall Mounting Point

Knee wall is mounted vertically to exterior wall aluminum frame with four 4 1/2 inch wood screws. All four were broken or torqued off.

Router Gouges

Router gouged into exterior wall aluminum frame while trimming off excess material at the assembly process.

Old New Wall - Removed

Old new wall removed, broken screw and router gouges repaired.

Router Gouges

Four router gouges in exterior wall frame when exterior wall trimmed.

Missing Sheet Metal Screws

From left to right two sheet metal screws missing or torqued off on both starboard and port sides of coach.

Router Gouges

One of four router gouges in exterior wall frame.

Start Re-Built

2x4 perimeter of new knee wall in place.

Start Rebuilt

2x4 perimeter of new knee wall in place.

Re-Built Knee Wall

Knee wall 2x4 parimeter and 1st sheet of marine plywood in place.

New Knee Wall

2nd sheet of marine plywood installed, screwed, bolted, stapled and glued.

Fabricated Steel Angle Support

Angle support for both starboard and port sides. Coated with anit-rust and dis-similar metal coating.

Steel Angle Support Installed

New angle support member installed. Heavier screws used to attach both fore and aft as well as laterally.

New Screws

All new heavier screws installed on horizontal support. Broken and over torqued screws drilled out and recoverd.

Completed Repairs - Starboard Side

New knee wall installed, stove bolt holes taped over to foam fill from inside.

New Stove Bolts

Tape covers new stove bolts. 7 from bedroom down. 6 originals through steel frame up.