

Solar Project  
Mason Ball  
673 NW Carr Ct  
Lake City, Fl 32055

### Structural Details

The Solar Panels are to be installed on the existing roof.

The roof is comprised of composite shingles on plywood over timber trusses. The roof pitch is a gentle 12-4 slope.

Solar panels will be aligned portrait manner in two rows of 12 panels.

The structural components used to secure the panels to the roof is produced by Ironridge. This system was recommended and purchased with the rest of the solar package from the Altestore.com.

The trade name of the feet is "Flashvue." These will secure the railing to the roof. They have a flange that slides under the shingle with a large lagbolt hole that rises up to keep that water from slipping past sealant and through bolt hole into house envelope. See following 2 pages. Spacing of the feet is every 4 feet of rail.

The rail that the panels will rest on and be bolted to is referred to as the xr100. These rails will come in 14 foot lengths and have connectors that also act as conductors for grounding this system. The rails will be run perpendicular to the trusses.