

### Description of Engineer Documents

Based on available information, Charles G Thom, Jr, PE, apparently performed engineering services as the structural engineer for the Sun City project, working for the developer. However, complete information about the design responsibility of Mr. Thom has not been available.

Address for Mr. Thom (Roswell, Georgia) and his professional engineer stamp (South Carolina 13111) is on each letter.

On available design plan sheets, Mr. Thom is identified as "Consulting Engineer", without the usual "PE" designation for professional engineer. His South Carolina license number is not included with printed information.

Subject of letters and calculations by Mr. Thom is "valley" trusses installed to form part of the roof for various houses in the Sun City development.

#### Letter of July 7, 2005

In letter of July 7, 2005, Mr. Thom briefly discusses evaluation of a truss drawing by "Truswall Systems Corporation" that specifies connection requirements for valley trusses;

*"This detail seems to imply that both Simpson connectors and nails are used at each indicated connecting point on each valley truss.*

*I have spoken with a truss vendor who has advised me that the referenced Truswall detail is generic in nature and is intended to be applicable for "all codes and loading conditions" for locations where they fabricate trusses. The vendor went on to say that the detail means to indicate that the Simpson connectors are to be used at "every other" intersection or the 2-16d nails at every intersection."*

*"Drawing that we prepared indicate this attachment being made using 2-12d nails at each location where the valley set truss bottom chord crosses a supporting truss."*

*"Application of the enclosed generic detail would result in valley set truss connections profoundly in excess of maximum stipulated code loadings."*



