

# Frames welded for strength

**W**ALL frames, floor systems, trusses and overall framing and structure are vital elements in any building project, says 21st Century Steel Homes and Frames (BSA 1005219) director Jay Saeedi.

Mr Saeedi said as a licensed building company 21st Century Steel Homes and Frames understood the problems builders experienced when dealing with framing that was not correctly manufactured, supplied or erected.

"Correct steel-frame work allows other subcontractors to proceed with the project efficiently without hassles," he said.

"After 20 years of being in the business of creating steel-frame projects, and 15 years of focusing mainly on supplying and fixing steel-framing components in our factory, we are proud to offer our services and products to homeowner-builders.

"Even though we supply and fix our framing system for large building companies and developers of houses, multi units, schools and storage complexes, we still look after our individual clients who are homeowner-builders."

Mr Saeedi said due to the state of the economy and the fact buyers wanted to be involved in constructing their dream homes, owner-builder projects were becoming a significant part of the business.

"Our reputation is based on the quality of the frames that we manufacture," he said.

"Since 1989 we have tried different systems and as a result of observation of problems in pop-riveted and screwing systems, we kept this

system out of our factory and operation.

"We stayed with a welded system because it is stronger, thicker and a steadier frame."

Mr Saeedi said the system also prevented movement due to heat exposition, and there was no settlement or sagging on large spans or openings, and no twisted trusses.

"We weld the required bracings in our framework," he said.

"We use 1.6mm stiffened top plates for more strength on our load-bearing walls, commercial Z members on our truss cords, and by welding structural post and beams in our framework we can achieve top results on any project no matter how complicated the design is."

A project at Aqua Promenade in the Currumbin Valley is an example of the company's product quality.

The split-level, two-storey house, with distinct roof lines, has a veranda to one side to capture the views.

Mr Saeedi said the project was done for a homeowner-builder and 21st Century Steel Homes and Frames supplied all the framing components to suit the design.

"We had our engineer check the design and issued a design certificate to enable the owner to get their approval from certifiers to start construction," he said.

"If the framework is correctly detailed and manufactured, the site fixing is not a difficult task.

"We supply full marking plans to our clients, and in the case that we do not fix the frames, we offer ample assistance to site carpenters to make sure the whole job goes together nicely."



A two-storey home in the Currumbin Valley is a recent project for the 21st Century Steel Homes and Frames system



High ceilings, an open living area and large windows and doors allow the house to enjoy the views from all rooms, which suits the acreage block.

For more information visit the 21st Century Steel Homes and Frames factory at 24 Mercantile Court, Molendinar, call 55 744 796, or go to [www.steelhomes.com.au](http://www.steelhomes.com.au)