



VICWEST THERMASTEEL™ Building Products

PROJECT PROFILE

January 2001

Hamilton Habitat for Humanity

A Habitat For Humanity house was recently completed in Hamilton, Ontario with **VICWEST Thermasteel™** playing a key role in its construction. Material for the floors, walls and roof trusses was provided by **VICWEST** in collaboration with Stelco Inc. All framing work was completed by Armour Steel of Hamilton.

The two-span floor system was framed using **Thermasteel** 800-TS-162-048 (8" x 18 ga) joists spaced at 16 inch centers and spanning approximately 13 feet. The joists were supported by a wall in the basement constructed with **Thermasteel™** studs. The sub-floor was 3/4 inch OSB which was glued and screwed to the joists.



The exterior load-bearing walls were panelized in Armour Steels' plant using their mobile panelizing jig. The panels were trucked to the site where erection took about a day to complete. All walls were constructed using 362-TS-162-036 (3 5/8" x 20 ga) **Thermasteel™** studs spaced at 16" centres. Lintels for door and window openings were constructed using 800-TS-162-048 (8" x 18 ga) sections. The walls were sheathed with 7/16 inch waferboard and insulated with 1 1/2 inch extruded polystyrene insulation. Interior walls were framed using a premium **Thermasteel™** non-load-bearing wall stud 362-TS-162-022 (3 5/8" x 22 ga.).

The main roof trusses for this house were approximately 47 feet long and required lower chord members about the same length. The trusses were assembled by a crew of 4 on the floor deck surface in approximately 15 minutes, and then moved and stacked out of way beside the house. After completion of the wall framing the trusses were hoisted into position in the roof structure with a light crane.



Another **VICWEST** product was used on the roof of the house. **VIC-ELITE™**, a very attractive, pre-finished metal roofing material manufactured in the Stratford Ontario, plant was installed by Niagara Farm Metal Products of Fonthill. This type of roofing is rapidly gaining popularity across North America, due to its aesthetically pleasing appearance and to its unparalleled durability, giving the homeowner many years (decades) of maintenance free protection.



One of the most interesting facets of this project was that much of work was performed by volunteers from Armour Steel, **VICWEST**, Stelco, Home Depot and individual efforts. We even had our own volunteer day, Vicwest Day, where approximately 40 volunteers donated their time and effort on a Saturday to lend a hand. Volunteers performed tasks such as steel framing, sheathing, insulating, dry-walling and eating. If you would like more information regarding Habitat for Humanity projects visit their website at www.habitat.ca. More information about **VICWEST** and **Thermasteel™** can be found at www.vicwest.com