



## Walls of Concrete and Styrofoam

A truly revolutionary wall system!

...Our homes will be built around this defining "standard" feature.

### Three basic facts prevail:

1. They perform on a level far above conventional construction, truly a performance Class of its own!
2. They speak directly to safety and long-term cost concerns of the folks we anticipate as occupants.
3. Our builder and architect have created a package built around these walls that in the end, cost no more than conventional construction, an incredible feat...and we'll show you how as construction proceeds.

Simply, it's a system of Styrofoam forms into which (reinforced) concrete is poured, where the forms stay in place. It creates a unitized sandwich of concrete and foam, a wall of incredible strength and durability.

The Idea has been growing steadily continent-wide, and there a few local examples. It has quietly achieved an advanced technical level, at more competitive costs. It's more popular in colder climates and has incredible proven benefits. Improved engineering has made it more affordable. It's in all codes and featured frequently in "This Old House" and other special TV programs. Thomas Edison even owned a patent on it, (but he didn't have the Styrofoam to work with).

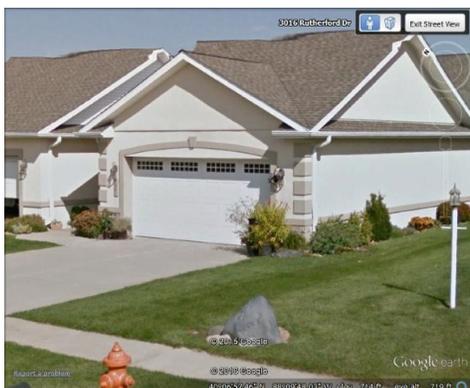


It surely is the ultimate in wall construction; It uses manufactured polystyrene "forms" that go together a lot like Legos blocks, where a 6" space is created between two layers of 2.5" foam, into which reinforcing rods are placed and concrete poured. The ideal is to pour a whole floor at one time, therefore creating a monolithic concrete core, with insulation on both sides, each of which is ready to receive a final surface. It literally becomes a one-piece stone in the shape of a home!

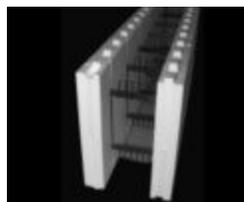
That would be the usual drywall on the inside, or on the outside, anything. But it uniquely supports an outside finish of "stucco", a great exterior product that's not used a lot, but lovely and different. Adding accents of stone, it becomes a most-beautiful exterior; completing a great package of tough and pretty.

All is simply left in place. Electricity and plumbing can go in raceways easily cut into polystyrene, before surfaces are attached. Hangers are provided for floor joists, holes for essential utilities. It's a bit more difficult than this sounds...a great deal of detail supports a final product that's straight and level, without accidents of bursting or even failing before it's done. After that, it's firm forever.

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The final "look" is nearly identical, like this Urbana IL home, except for the thicker window-sills, which everybody likes,



**Next: the "Standard Package" built around the concrete walls:**