

**Gray + Tham, Wall Smart – Continuous Concrete Wall Pour**

Gray + Tham, Wall Smart is a system for continuously casting reinforced concrete walls. This patented process permits easy consolidation of the concrete and the elimination of horizontal and vertical cold joints. The formwork used in this method consists of 6 to 8 inch vertical columns, 16 inch deep form "platens," and small hand winches. The columns are spaced 8 feet apart and support the winches which raise the platens in small increments. Scaffolding can either ride the moving form or be staged adjacent to it. The concrete contains additives, and is controlled to maintain a 2 inch slump. Concrete pumps are used to place the concrete slurry into the form cavity in 4 to 6 inch layers where it is consolidated with short probe vibrators that penetrate only two layers. A wall can be built using prefabricated and erected furring as one casting surface. The other side is the 16 inch high moving form.

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