



Open Prototype Initiative

Transforming the Way America Builds Homes

A project of MIT House_n and Bensonwood Homes



Overarching Goals for the Open Prototype Initiative

- To bring the public a better design and building process;
- Better management of home construction;
- Less risk for buyer and builder;
- Increased certainty of cost, time and quality for buyer;
- Increased efficiency and control for builder;
- Share these innovations with the construction industry to help all builders create higher quality and more environmentally friendly and energy efficient homes.

Goals for Open_1

- Design and construction will establish a varied collection of components that can be combined to form unique structures, linked directly to efficient prefabrication;
- The structure and components will incorporate 'Green' and energy efficient designs
- The floor, wall and roof systems will be pre-built;
- The structure will consist of distinct, disentangled and accessible layers that allow for both efficient assembly and for change over time;
- The building shell, with exterior finish, will be assembled in five working days;
- Mechanical, electrical, and plumbing systems will be installed in three working days;
- Interior fit-out will be completed in five working days;
- Interior finishes will be completed in five working days;
- To host a symposium to evaluate OPEN_1, and to set the goals for OPEN_2;
- Additional goals may be established through the involvement of industrial sponsors;
- Subsequent prototypes will be incrementally more ambitious, with specific goals established by the academic and industrial participants, including incorporating technology developed through the MIT House_n initiative.