



Open Prototype Initiative

Transforming the Way America Builds Homes

A project of [MIT House_n](#) and [Bensonwood Homes](#)

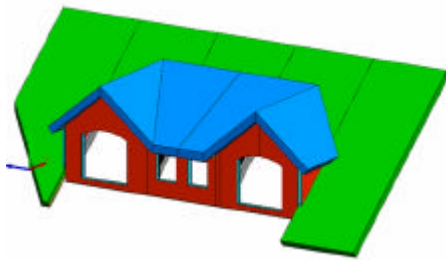


Design Elements are Construction Elements

In addition to the cataloging of elements such as stairs windows and doors, the Open Prototype Initiative demonstrates that design using 3D modeling coupled with precision cutting using machinery not commonly employed in today's home construction, and extensive pre-planning with all of the skilled labor involved in the project, leads to a higher quality home built in a shorter period of time.

(Photos and graphics on this page are representative of work that will be undertaken in prototypes but are EXAMPLES ONLY.)

Open_1 and subsequent



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3D design and the use of high-speed computer aided cutting machinery allows for faster and more accurate construction of the home, reducing on-site waste and speeding construction by enabling large sections of the home to be installed aided by cranes.

Having multiple “job captains” - builders, electricians and plumbers at the table before the project begins is uncommon in the construction industry.



The Open Prototype Initiative demonstrates that bringing contractors and sub-contractors to the table before on-site construction begins, allows for greater coordination of the project, resulting in a higher quality home. The Build-It meeting reduces the likelihood of conflicting ideas and goals on-site that result in construction delays as well as inefficient installation, and layout of electrical, plumbing and HVAC and other services.