



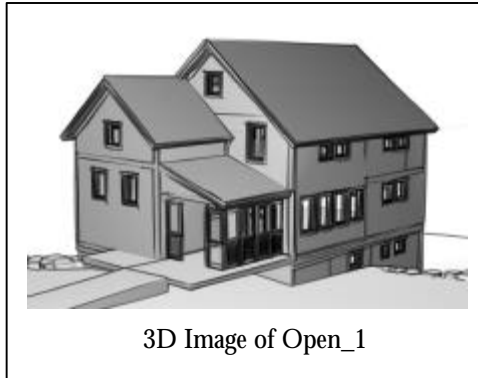
Open Prototype Initiative

Transforming the Way America Builds Homes

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



Key Features of Open_1



3D Image of Open_1

- Design and construction will establish a varied collection of components that can be combined to form unique structures and allow walls to be moved so the layout of the home meets changing needs;
- Efficient prefabrication allows for adaptability over time, allowing home owners to [add services or seamlessly expand the house](#) faster and with minimal mess and waste;
- On-site construction waste will fill only [two trash cans](#) ;
- [MITes \(MIT environmental sensors\)](#) - a system of sensors and algorithms will be installed throughout the home to support occupants and monitor, and analyze the performance of the home and its environment to help optimize the building's performance;
- The structure and components will incorporate 'Green' and energy efficient designs as well as systems to monitor and measure air quality, heat and energy efficiency;
- The floor, wall and roof systems will be pre-built with [wiring pre-installed](#) ;
- The structure will consist of distinct, disentangled and accessible layers that allow for both efficient assembly and for change over time;
- Floors, ceilings and baseboards will allow for easy access to plumbing, heating and wiring;
- ["Stacked"](#) design of closets makes a shaft to allow for easy installation of an elevator to aid universal design and "aging in place" needs (Open_1 will incorporate an elevator to meet the needs of Crochted Mountain Brain Injury Clinic clients);
- 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](#) .