This design is called the "Folding Transition House". The design is a combination of the mechanical features for space saving efficiency used in recreational vehicles and the aesthetic quality and comforts of a house. The features that make this house different are its ability to fold out and expand, doubling in width and expanding the interior spaces by more than eight feet. First the roof panels and floor panel fold first, once this is done the walls slide out followed by smaller wall sections that slide and fold out completing the extension. The bathroom itself is its own slide out area as well. Thanks to track like guidelines, and flexible interior components such as wiring and piping, these features are able to perform with ease. The house is also energy efficient. The roof panels are lined with photo-voltaic panels and skylights which absorb sunlight for electricity. All the appliances in the house will run on electricity, including the stove. A trom wall is also located on the house which will be used to heat the air in cooler temperatures.

Stage 1: Trailer needs to be parked
Stage 2: Outer walls fold out becoming floor and roof.
Stage 3: Rear wall slides, along with side walls foldings out.
Stage 4: Once wall sections are complete, interior shelving and furniture can be slid out, completing the fold transition.

On the left is interior completely folded up and closed up.
On the right is interior completely extended with furniture placed.