

Dorogi Residence

Ann Arbor, Michigan



This home achieved a 5 star energy rating from the State of Michigan. Its simple form is reminiscent of an old farmhouse while its technology is state of the art.

Although it blends in with the surrounding homes, this home is extremely energy efficient with a large portion of its heat provided by passive solar components. High transmission south facing, fiberglass framed windows capture solar heat. A 8 inch thick Trombe mass wall retains the heat for later emission into the living room in the evening. Radiant floor heating provides a comfortable backup heat. Solar panels on the roof heat the domestic water and as well as adding heat to the air coming in through the heat recovery ventilator.



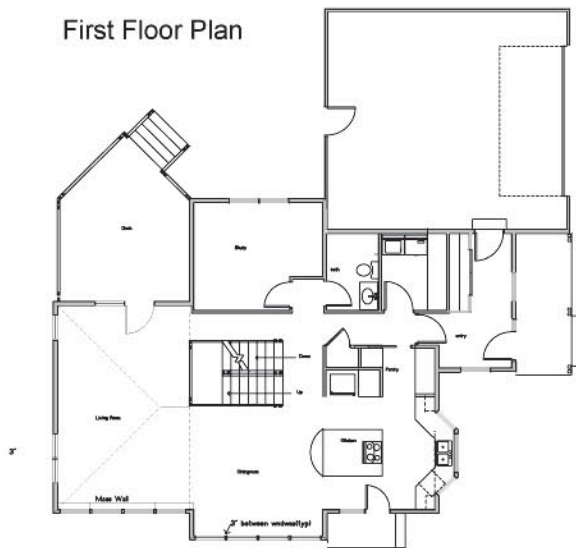
Stair



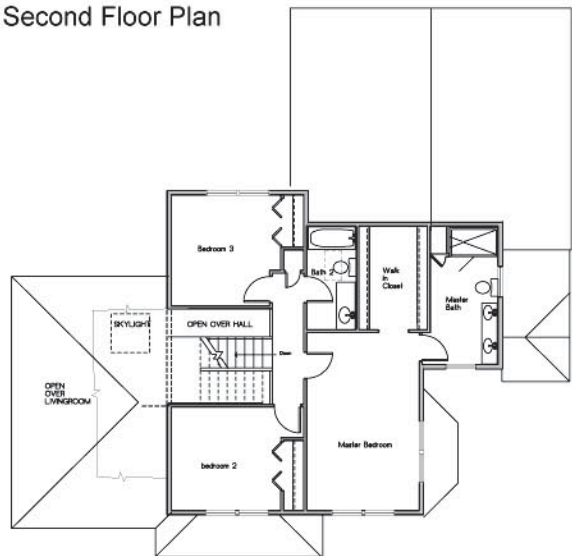
Trombe Wall



First Floor Plan



Second Floor Plan



Sunstructures Architects

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