

DESIGN OF A SOLAR

HEATING

SYSTEM FOR A HOUSE

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## P R E F A C E

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1. To calculate the heat requirements for the space heating and hot water of the building.
2. To desing a suitable system for the collection and storage of low-temperature solar energy to satisfy the heat requirements of the building.
3. To determine the optimum size of the solar collector, storage unit, pumps piping and other equipment and accessories involved in the system, including all necessary instrumentation and controls.
4. To prepare detailed drawings showing clearly the system layout and components.
5. To conduct a cost - estimate and compare it with that of a conventional heating system without solar.

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