# OVERVIEW OF PASSIVE SOLAR + RADIANT HEAT SYSTEM

Custom built in 1983, this all-electric home was intentionally designed to make use of Colorado sunshine. Expansive south-facing windows, thermal mass, and an attached sunroom work together to collect, hold, and gradually release warmth, while filling the home with natural light.

## *HOW THE PASSIVE SOLAR DESIGN WORKS*

### 1 CAPTURE

South-facing glass welcomes low winter sunlight into the home.

### 2 STORE

Thermal-mass materials (tiles under lvp) absorb some of that solar warmth during the day.

### 3 RELEASE

Stored warmth is gradually released as indoor temperatures cool.

## *BENEFITS OF PASSIVE SOLAR DESIGN*

- NATURAL WARMTH - The home is designd to use free solar energy as part of its winter heating strategy
- QUIET OPERATION - No furnace fan constantly kicking on and off
- NATURAL COLORDADO SUNLIGHT - Large south-facing windows and the sunroom create a bright, welcoming interior
- STEADY COMFORT - Radiant heat warms rooms evenly. No hot-and-cold cycling common with forced air
- CLEANER-FEELING AIR - No filters to replace; no vents blowing dust or drying out the air.
- SIMPLICITY BY DESIGN - Passive solar features are built into the architecture rather than dependent on complex equipment

*ELECTRICAL SYSTEMS HAVE BEEN CHECKED*
*The home's electrical radiant-heating system and electrical use were reviewed by an electrician in September 2026. The electrician reported being impressed by the home's conservative use of electricity. This was a professional observation, not a formal energy audit or gurantee of future utility costs. Please email the listing agent at lauren@haugco.com for a copy of the electrician's report.*

## *SMART DESIGN IN 1983 THAT IS RELEVANT TODAY*