

Lundberg Family Farms, Richvale, CA

Todd Jersey Architecture is designing the headquarters for Lundberg Family Farms, a company that is celebrating over 70 years of environmental stewardship. Organic to the desires and needs of the Client as well as the mission of Todd Jersey Architecture, this project will use the highest level of green features:

- Large open span administrative core designed to accommodate infinite changes in office configuration. Keeping the space flexible allows for more options in future uses by pre-empting the need to tear out walls and spend money on remodeling the building.
- Generation of energy from a solar electrical system. By enabling the Lundbergs to generate their own electricity through the use of photovoltaic panels, they can fix their energy rates which otherwise in the future will certainly increase.
- 100% natural daylight in all spaces and high efficiency lighting systems reduce lighting costs as well as cooling costs since lights produce heat.
- Passive solar heating reduces the amount of heat the Lundberg's would need from a "mechanical system", and therefore, saves money on annual heating costs. It also allows for a smaller mechanical system and is more comfortable heating from a user-perspective than point source heating such as vents.
- Passive summertime cooling reduces reliance on a mechanical cooling system, creates an overall more comfortable environment and saves money overall.
- Ultra-efficient radiant floor heating provides more comfortable heating since it is even and fluctuates less in temperature due to the large thermal mass.
- Ultra-efficient chilled cooling system that combines radiant cooling systems with conventional overhead ventilation to reduce energy usage, improve comfort levels, and reduce the architectural impact of ductwork and other mechanical systems.
- Low water irrigation systems, water efficient fixtures and on-site storm water retention recharge groundwater and create wetland habitat for migratory birds and native amphibians. Native vegetation will require less watering. Drip systems deliver water to where it's needed, not all over the surrounding area where it would evaporate. Efficient fixtures reduce the amount of water used and that has to be treated. And the environmental measures improve the environment for native wildlife.
- Zero VOC paints, finishes, and glues benefit employees and building users by creating a healthier work environment.