

## Featured Project

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### Eureka Alzheimer's Center

Eureka, California

ArcSine Engineering prepared contract drawings for mechanical, electrical, plumbing (MEP), and lighting designs for a 14,500-square-foot two-story day-use Alzheimer's center.

Project requirements called for MEP designs for office-style and patient-style spaces. In addition, the project called for shell designs for multiple spaces scheduled for future building subdivisions.

The project included:

- HVAC and lighting designs for an indoor garden.
- MEP design for a commercial-style kitchen.
- Electrical design for a standby generator and automatic transfer switch.
- MEP and lighting designs for a wide range of occupancies including:
  - ◆ Offices
  - ◆ Patient care/nursing facilities
  - ◆ Corridors and common use areas
  - ◆ Living and family room areas
  - ◆ Shell spaces
- Design of a hot water delivery system utilizing energy-efficient tankless water heaters and on-demand recirculation pumps.
- Multiple roof-top packaged air conditioning units to account for building orientation and various occupancy types, while providing a cost-effective solution to the building's heating and cooling requirements.

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**Electrical**  
**Mechanical**  
**Programming**  
**Lighting**  
**Power Distribution**  
**Controls**  
**Plumbing**

