

Featured Project

Redding Rancheria Health Clinic

Redding, California

The Redding Rancheria Indian Health Clinic is a health facility providing services to the Native American population and their families residing in Shasta and Trinity Counties.

In support of Clinic's relocation to a larger facility, ArcSine Engineering provided mechanical, electrical, and plumbing engineering services for the renovation of an existing 3-story, 29,000-square-foot building. ArcSine worked along side Perkins + Will Architects to develop a state-of-the-art medical health clinic.

Electrical
Mechanical
Plumbing
Lighting
Power Distribution
Medical Gases
Standby Power

ArcSine Engineering's design included the following items:

- Detailed field investigation of the power distribution system, lighting and lighting controls, mechanical systems and plumbing.
- Preparation of electrical, mechanical, and plumbing demolition drawings.
- Design of power distribution, data/telephone, lighting/controls, mechanical, and plumbing systems
- Construction engineering services: Answered bidders' questions, attended preconstruction meeting, performed construction observation, and provided final job site walk-through with follow-up punchlist.
- Design of emergency/egress lighting.
- Standby power design for life safety and critical branch circuits.
- Specialized lighting design, including fiber-optic lighting for sensitive artifact display.
- HVAC system design for all areas utilizing Mitsubishi CITY-MULTI units.
- Plumbing, drain, and vent system design.
- Coordination with dental equipment supplier for design of dental operations including nurse call system, medical gasses, X-ray machines, utility walls, etc.

