

# WINERY EXPERTS

Serving the wine industry for more than 45 years, ZFA has unparalleled winery experience in California's Wine Country. Our portfolio of over 100 successful and many award-winning projects ranges from winery event and tasting facilities to administrative offices, as well as winery production and storage facilities. We understand the specific challenges of the wine-making process, including key spatial requirements, integration of aesthetic themes, and the need for future adaptation. Utilizing our direct knowledge of winery construction materials, ZFA gives both winery owners and architects the ability to accurately evaluate appropriate design and construction options. On all projects, we provide efficient and safe structural systems, protecting valuable winery equipment and products, as well as providing elegant structures to impress tasters, visitors, and customers. With a commitment to excellence, we offer our clients innovative, practical design solutions for their new facilities, expansions, and remodels.



Castello di Amorosa  
Calistoga, CA



Freemark Abbey Winery  
St. Helena, CA



Trefethen Winery  
Napa, CA



Law Estate Wines  
Paso Robles, CA



Bouchaine Vineyards Visitor's Center  
Napa, CA



Clos du Val Winery  
Napa, CA



Artesa Winery  
Napa, CA

- Design-Build/Design-Bid-Build
- Seismic Evaluation & Retrofit
- Expansions & Remodels
- SP3 Evaluations for Earthquake Structural Performance
- Fire-Damage Rebuild Engineering
- Constructability Reviews
- Construction Administration
- Key Spatial Requirements
- Aesthetic Themes Integration
- Sustainable Design
- Engineering Innovation



Lokoya Winery  
St. Helena, CA

ZFA has worked on a wide range of wine facilities from tasting rooms that focus on the user experience, to production facilities for commercial facilities as well as boutique wineries, and numerous support projects. We have worked on many new, ground-up, modern buildings, plus existing structures damaged by fire as well as the repair and retrofit of some of the oldest active wineries in the Napa Valley. Our technical experience with wineries, breweries and other distillery facilities ranges from the design of the building to tank design, tank anchorage, catwalk, production mezzanines, glycol systems and support for piping throughout the winery. ZFA's expertise extends beyond the traditional structural engineering role to facilitating and supporting the winery processes such as gravity fed winery production to punch down systems to minimizing pumace handling.



Cuvaison Winery  
Napa, CA



**AREAS OF EXPERTISE**

- Tank & Pipe Design
- Wine tank designs up to ~100,000 gallon tanks
- Tank anchorage design on all shapes and sizes
- Catwalks, Production Mezzanines
- Punch downs
- Support of Glycol Systems
- Distribution Pipe Systems

Chateau Montelena Winery  
Calistoga, CA



Trefethen Winery  
Napa, CA



Meridian Vineyards, Red Tank Farm  
Paso Robles, CA



Gloria Ferrer  
Sonoma, CA



Delfino Winery  
Camino, CA