



Two Lads Winery

PROJECT PROFILE



Completed Facility

Apex Engineering & Management, Inc. was retained to provide complete structural engineering services for the permitting, bidding and construction phases for this modern winery facility on the Old Mission Peninsula of Traverse City.

Two Lads Winery is a combination wine production and wine tasting facility. The foundation is a reinforced concrete footing and basement wall system. The main level framing system consists of an elevated concrete slab on metal deck bearing on structural steel. The floor is capable of supporting a heavily loaded fork truck that is integral in the grape to wine making process. The roof framing is an inward sloping, steel framed structure that drains water to a flat center area.

The exterior wall consists of light gauge metal stud infill wall with horizontal ribbed steel siding. Many large aluminum framed windows have been incorporated to allow expansive views of East Bay. A combination of x-bracing and moment resistant frames provides lateral stability for the high wind loads encountered for this facility.

Project:	Two Lads Winery
Location:	Traverse City, MI
Architect:	Traverse Architectural Group
Contractor:	45 th Parallel CM Traverse City, MI
Project Type:	Winery-Manufacturing
Structural System:	Reinforced concrete Structural Steel Frame Elevated concrete deck
Building size:	12,000 SF
Completion date:	October 2007



Building under construction



Putting the Finishing Touches on