

Bin to Bottle GREEN BUILDING MEASURES

Sustainable Site

Runoff is being directed to a grassy swale to:

- Promote infiltration and

- Filter contaminants from the runoff before it reaches the creek.

- Bike racks for bicycles and lockers and changing area provided.

Water Efficiency

- Water Efficient Landscaping

- Waste water being cleaned by on site wastewater treatment plant

Energy and Atmosphere

- Building Systems Designed to accept for Solar Panels and in negotiations to add solar collection system in year three of building life.

- Building envelope is Highly Insulated Metal Panels that cut heat loss and gain and infiltration.

- Cool Roof

- Glazing system has thermally broken frames and dual glazing with high performance Low-E Coatings.

- Barrel storage area has a Night Air Cooling System that will save energy-

- The direct expansion refrigeration system used for cooling the barrel storage area is more efficient than glycol type refrigeration systems that are often used for this type of facility.

- High Efficiency HVAC system in Office Area

- Commissioning of HVAC and Lighting Systems

Material and Resources

- Storage and Collection of Recyclables

- Construction Waste Management

- Metal frame Wall panels and roofing have recycled steel in them

- Regional Materials are used for CMU, Concrete and Stone Base

Indoor Environmental Quality

- Low Emitting Materials

 - Paints & Coatings

 - Adhesives and Sealants

 - Composite Woods or Millwork

- Daylight and Views.

 - Office Area has day lighting and Views.

 - Barrel Storage area has high clearstory windows to allow light in for walking through building without having to turn lights on.

- Controllability of Systems

- Lighting controls are zoned so only the areas that work is happening in will be

lighted.

High speed automated doors used at the high frequency forklift traffic doors to control building temperature loss/gain.

Innovation and Design Process

- Green Wall is used on the buildings frontage in lieu of glazing. This reduces heat loss and gain to the building.

Other

- We are a CCOF certified organic facility. One of only two custom crush wineries in the state that are certified as such.
- My contractor is using hybrid vehicles, recycles 80% of the construction waste and is paperless.
- Bin to Bottle donates significantly to the Land Trust annually