



From the plywood layout on the exterior walls, to pre-engineered roof and floors (OSBI Structure) every detail counts.

Here the edges of the plywood have been wrapped with Sto Guard and Mesh. This seals the raw edges from water intrusion that may occur.



This shows the window detail with the Sto Guard and mesh wrapping the window frame and the Milgard Montecito Window installed.

Milgard Montecito Windows:

- Meets or exceeds ENERGY STAR® standards for all climate zones.
- Milgard [SunCoat®](#) low-e glass standard for superior energy savings.
- Optional advanced energy efficiency package – includes Milgard's [SunCoatMAX™](#) low-e glass and advanced warm edge spacer technology providing additional comfort in extreme weather conditions and superior energy savings.



This photo shows how the plywood seams are meshed and a coating of Sto Guard is applied over them.

The Sto Guard is acting as an Air Barrier preventing air movement at the seams and thru the face of the plywood.



Here the plywood has been completely covered with layer of the Sto Guard on the side wall and the front with a layer of Sto Emerald Coat.

By adding the Sto Guard/Emerald Coat, the energy savings should be approximately 30%. While providing a full layer of moisture protection that is enveloped into the wall assembly.



In addition to the Sto Guard this home has had a continuous layer of thermal insulation wrapped on three sides. This System, Sto Therm Next, The US Department of Energy's highest rated energy efficient wall cladding should result in an a total energy savings of "Approximately 50%" over a conventional siding.



The Cultured Stone Façade by Boulder Creek, also qualifies as green/sustainable construction. It is made within 500 miles of the construction site.

Other Sustainable Features...



Untouched land for drainage
Native Plants



Septic Field and
Well...

- All Energy Star Rated Appliances
- All Energy Star Rated Windows and Doors
- Dual Flush Toilets
- Perimeter seal at the foundation to sill plate, along with insulation
- Insulated Cathedral Ceilings
- Air Sealed pipes in the walls
- Internal return air ducts are metal