(dp4)
donner.....party of 4
residence
donner lake, ca

truckee office:
10374 donner pass road
po box 9385
truckee, ca 96162
530.587.5232

reno office:
918 1/2 nixon ave
reno, nv 89509
775.337.1666

joel l. sherman
ca: architect
nv: res. designer

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www.tahoearchitect.com
project data:

project name: donner...... party of 4 residence
project location: truckee, california
building area: 2,400 sq. ft new single family dwelling w/532 sq. ft. attached garage
completion date: 2015

project team:

architect: joel l. sherman, jls design (project team: joel sherman, casey sibley, audrey harris)
structural engineer: erik bjur, bjur engineering
energy consultant: clement woods, woods energy consultants
finishes: steve lamerdin / orest prodanuik
framing: in house builders

narrative:

An abundance of natural light, clear simple elegant structural and material expression. Opening and fusing the interior with the exterior, a south wall of glass fully embracing the 200 degree south view, while "trays of space" and strategic tower elements maintain the utmost privacy. It results is a private Donner Lake viewing platform.

A very site specific design utilizing structural shear towers and only one steel moment frame, subtly engages the steep hillside, but still facilitates a design that only has a maximum 4 ft. retaining wall at the house. The use of primarily an elastomeric three coat acrylic cement plaster finishes and 24 ga. Kynar coated sheet metal siding economically provides a durable exterior skin for the majority of the exterior. A thin veneered (environmentally sound) plywood is used only on the north elevation and shed roof soffit to provide the perceptual "warmth", without the ridiculous and socially irresponsibility of biannually restraining a wood siding wrapped monolith.

Massive amount of "passive" solar gain throughout both floors view the exposed Ultra Armour floor levels out the large temperature swings of the winter, while natural ventilation of lake thermal breezes and a whole house fan subtly address even the warmest of summer days. The solar orientation of the overall footprint and roof, blocks the summer sun and allows for full penetration of the daylight across the whole structure (garage included) throughout the winter. The hydronics throughout, Lutron Homeworks Smart lighting controls and 3.2 KW of solar photovoltaic power also enhance the numerous passive solar design configurations to further enhance the energy efficiency of the home.

Off the shelf Ikea cabinetry throughout, laminate bathroom countertops, economic Luan slab doors throughout , Milgard fixed windows and Sierra Pacific operable windows establish a very feasible and "off-the shelf" palette, which is then configured creatively for this particular site. Lime plaster “Eco Stucco” shower walls no only provide an eco friendly solution, but more importantly an easily maintained surface. Off the shelf Glue Lam beam stair treads and Ikea butcher block countertop material serves and the main building blocks for the central 2 ½ story stairwell / "stack effect" vertical air shaft.
donner residence

project location

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various views
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computer model
donner........party of 4
donner lake, ca
(dp4)
donner.....party of 4
residence
donner lake, ca

Various views
(dp4)
donner.....party of 4
residence
donner lake, ca
(dp4)
donner.....party of 4
residence
donner lake, ca

various views
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various views
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Various views

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jls design
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miscell. views
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“janu-buried 2017”
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