

Clarum Homes solar powered Hansen Lane Estates receives LEED Gold rating from the U.S. Green Building Council

Prestigious certification presented to Clarum for new homes outfitted with Sharp solar panels

CLARUM HOMES

PALO ALTO — Clarum Homes' new Danville, California community has been presented with a LEED Gold rating by the U.S. Green Building Council (USGBC) for the builder's ten zero energy homes at Hansen Lane community, designed with guidance from Davis Energy Group. These homes are outfitted with Sharp solar power systems between 3.8 – 5kW.

LEED is an internationally recognized certification system that measures how well a building or community performs across all the metrics that matter most: energy savings, water efficiency, CO2 emissions reduction, improved indoor environmental quality and stewardship of resources and sensitivity to their impacts.

In addition to the Sharp solar arrays, the Clarum homes incorporate many energy efficient techniques and technologies — making Hansen Lane Estates the first Zero Energy Homes (ZEH) community and the first enrolled in the LEED for Homes program in Contra Costa County. The most progressive features of the homes include the combination of solar power and solar thermal, 10" SIPS walls and an advanced ventilation system.

"By deploying solar and incorporating other energy efficiency features into these homes, we're enabling our homeowners to save up to ninety percent or more on their utility bills," said John Suppes, president of Clarum Homes. "The deployment of Sharp's quality solar power systems on these homes helped us attain this achievement; we intend to further our mission of sustainable design and green building in all future communities we develop."

"In today's tough real estate market, the one niche that is bucking the trend is sustainably-built housing. There is no higher standard for certifying sustainability than LEED for Homes. We are proud to be a part of Clarum's Hansen Lane Estates project because it not only meets the LEED for Homes standard, it qualifies at the Gold level — two tiers above basic certification. These homes are more energy efficient and more

comfortable to live in as a result. They represent the wave of the future," noted Mark Berman, principal, Davis Energy Group

These LEED Gold certified Clarum homes feature the aesthetically-pleasing, Sharp OnEnergy solar power systems that enable homeowners to generate clean, renewable electricity to meet their energy needs.

"We're very pleased that the use of Sharp solar panels on these Clarum Homes helped our customer realize this prestigious achievement," said Ron Kenedi, vice president, Sharp Solar Energy Solutions Group.

Homeowner Daniel Beswick noted, "the comfort of the home is undeniably the best I've ever experienced. Our new home at Hansen Lane is extraordinarily quiet, and exceptionally comfortable. After paying a utility bill of more than \$450 per month in the winter and \$250 in summer, we have had only a \$4.75 connection fee for electricity and about half the natural gas charge of our previous home. With the federal tax credit, which offsets a third of the cost, the 15 percent state rebate, the 50 percent bonus depreciation and the energy savings—combined with the positive environmental impact — it's a totally win-win situation. Additionally, the solar on our home adds value — but does not add to our property tax bill"

LEED stands for leadership in green homebuilding. LEED certification provides third-party assurance to home buyers that their home complies with rigorous technical requirements for energy and water efficiency, indoor air quality, non-toxic materials, and environmental performance. Homes that are certified through LEED complete a technically rigorous verification process that includes a home energy (HERS) rating and onsite inspections. Lower insurance rates, advantageous financing, and government incentives may be available for LEED-certified homes. With this honor, Clarum joins over 700 national builders including custom home builders, production buildings, and affordable housing developers nationwide in achieving LEED certification.

PROJECT SUMMARY:

- The most progressive community ever built by California's leading green builder, Clarum Homes.
- Ten single-family homes built at Danville's last remaining four acres of in-fill property.
- Homes are LEED GOLD certified under the U.S. Green Building Council's LEED for Homes Program (LEED = Leadership in Energy & Envi-

ronmental Design).

• Homes are built under the U.S. Department of Energy Zero Energy Home Program.

• Homes exceed strict Title 24 requirements by 55 percent.

• Three floor plans with four to six bedrooms ranging from 3,628 to 4,986 square feet.

All homes include the following Enviro-Home features:

Energy Efficient Features

- 10" SIPS walls (structural insulated panels – R37)
- 3.8kW Sharp solar electric power system
- 96 percent efficiency Nightbreeze HVAC system
- Hydronic heating
- Ventilation cooling system (with outdoor sensors to bring in cool or warm air based on ambient temperatures)
- Ultra high efficiency 16 SEER Energy Star air conditioning system
- Fresh air ventilation system (which constantly replaces stale air with fresh air)
- Solar assisted hot water system with 96 percent efficiency condensing boiler and 120 gallon storage tank
- Super high performance insulation (R-43)
- Low-e energy efficient windows with very low solar heat gain coefficient glass
- Radiant roof barrier sheathing
- Tight ducting
- Energy star appliances
- High efficiency LED and CFL lighting
- Electric car plug in each garage
- Option to add 1.8kW solar electric

Indoor Air Quality and Health Features

- Fresh air exchanger
- Ceiling fan outlets in all bedrooms
- Exhaust fan in garage that runs for 20 minutes each time car drives in
- Low VOC paint
- No added formaldehyde cabinetry
- Stained concrete floors (foundation)
- Plumbed for whole house vacuum

Water Conservation Features

- Structured plumbing with re-circulating pump
- Dual flush toilets in all bathrooms
- Water conserving fixtures
- Water conserving landscape design
- Web based real time irrigation controller
- Bio-swale landscaping areas
- Front loading laundry equipment (optional)

Earth Friendly Building Materials and Practices

- SIPS walls and 60% of lumber is FSC certified
- Engineered wood
- Composite decking
- Recycled content drywall
- Paver streets, drives and walks
- Onsite recycling of 85% of construction materials
- Eco-flooring options

ABOUT HANSEN LANE ESTATES

Located in the heart of Danville, and nestled against the Iron Horse Trail, Hansen Lane Estates is a private enclave of

spectacular executive-style homes in an established, desirable neighborhood. The community features large tree lined lots with views of the foothills, excellent schools, nearby parks, trails and shopping, and convenient freeway accessibility.

Luxury abounds inside and out with timeless Tuscan style architecture, an emphasis on outdoor living in expansive courtyards with fireplaces, exceptional architectural detailing, epicurean kitchens, luxurious master suites, open floor plan designs, a private bath in almost every bedroom, detached casitas, and three-car garages. The homes are priced from \$1,695,000-\$1,850,000.

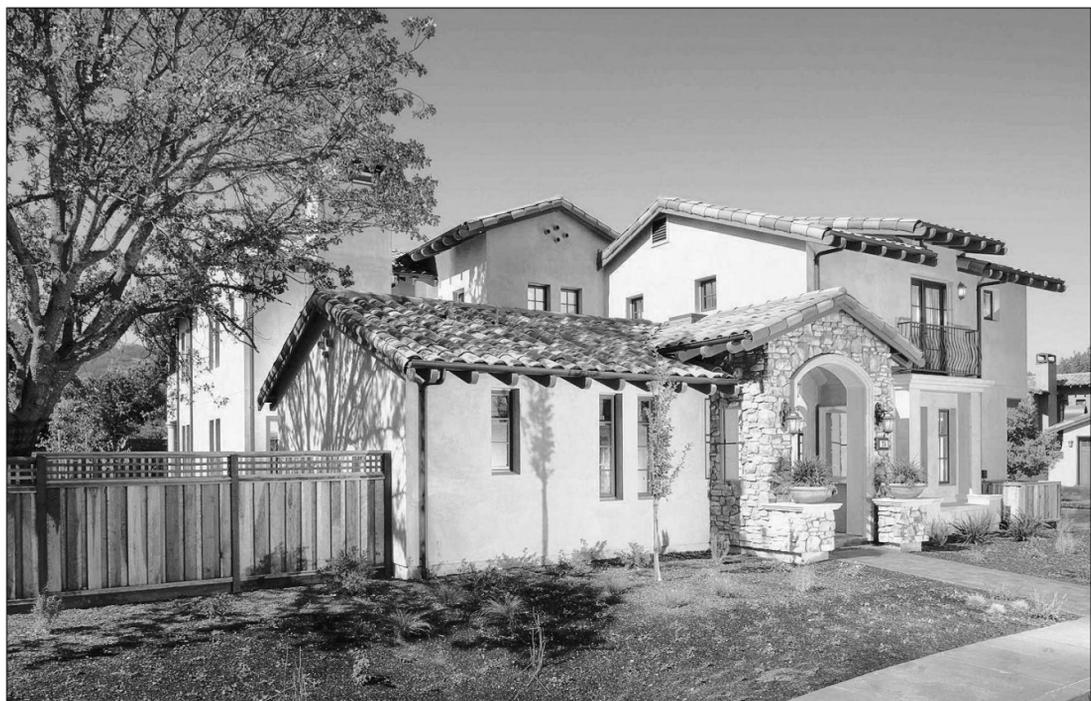
ABOUT CLARUM HOMES

Clarum Homes is a family-owned development company devoted to building exceptional new home communities and apartments in California. Clarum's mission of building sustainable communities began in 1999 when they began installing solar electric systems in their homes as standard equipment. Clarum Homes is now recognized nationwide as a leader in green building. In 2002, Clarum introduced the Enviro-Home, its own Zero Energy Home prototype. A perfectly designed blend of innovative construction technologies, unsurpassed energy efficiency and the use of sustainable materials, this home was a breakthrough for Clarum Homes, and for the entire homebuilding industry. The Enviro-Home™ minimizes the use of resources,

reduces harmful effects on the environment, creates healthier and more comfortable living spaces and provides savings on utility bills. The overwhelming response to the Enviro-Home, and Clarum's strong commitment to the environment, have prompted Clarum to continue building the Enviro-Home in all of its communities. The Clarum Homes family and management team are a dedicated group of professionals with an in-depth understanding of green building and decades of combined homebuilding experience. Clarum uses this experience to design the most attractive communities possible, to build the highest quality and most innovative product, and to provide impeccable customer service. For more information on Clarum, visit www.clarum.com.

ABOUT SHARP ELECTRONICS CORPORATION

Sharp Electronics Corporation is the U.S. subsidiary of Japan's Sharp Corporation, a worldwide developer of one-of-a-kind home entertainment products, appliances, networked multifunctional office solutions, solar energy solutions and information tools. Leading brands include AQUOS Liquid Crystal Televisions, 1-Bit digital audio products, SharpVision projection products, Insight Microwave Drawer appliances, Plasmacluster air purifiers, and Notevision multimedia projectors. For more information visit www.sharppusa.com



CLARUM HOMES

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Marni

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only precious items you can safely store in the attic are ones that can't burn, like ceramics, china and crystal. But for most other items, cool is best. For every 18 degrees Fahrenheit, reaction rates for deterioration double. So an item stored at 88 degrees will break down twice as fast as at 70 degrees.

- The right container.

Store keepsakes in sealed, plastic (polypropylene or polyethylene) tubs. Clean the inside with rubbing alcohol. This will prevent the major causes of deterioration: moisture, contaminants, pests and light. Toss in an envelope of dry activated charcoal, the kind available at pet stores for fish tanks. Charcoal will absorb odors and pollutants, and create a chemically controlled microclimate. (Note also works for stinky shoes.)

- The right climate.

Avoid light as well as excessive

heat and moisture. Light damage is cumulative and irreversible. Whether it comes from the sun or artificial lighting, whether it's direct or indirect, light wears things down. For museums, Williams and other conservators determine the total amount of lumens a painting can receive per day. When the exposure hits that limit, the painting goes into the dark for a while.

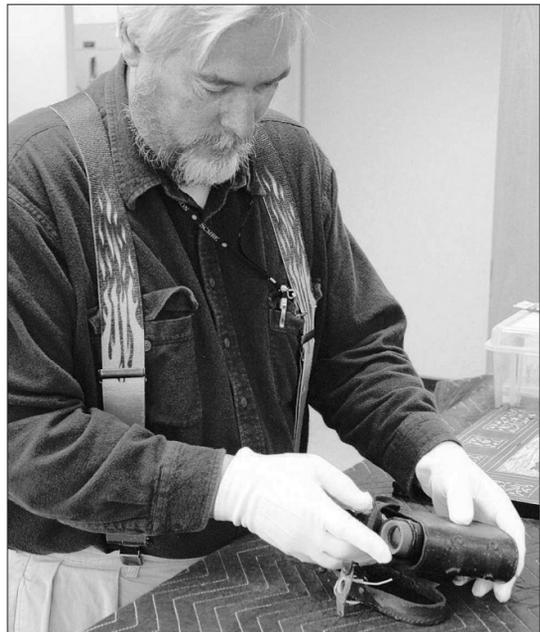
- The right handling.

When you do want to appreciate one of your collectibles, say old letters or an old baptism gown, wash your hands, don't wear skin creams or perfumes, which are all contaminants, and wear clean gloves.

- The right stuff.

Williams encourages people to create a "museum of you." Obviously you'll want to preserve items that have value in the marketplace, like that Stradivarius violin. But other items, including important papers, such as birth and marriage certificates, house titles, wills and other legal documents, have value to families for generations. Also important are those things that define a person's passions. Williams, for instance, values his father's work apron, which no one else could appreciate. "Each person has to decide what belongs in his family museum, then protect it. What remains is the fabric and memory of society."

Syndicated columnist Marni Jameson is the author of "The House Always Wins" (Da Capo), now available in paperback through Amazon and Barnes & Noble. Contact her through www.marnijameson.com.



COURTESY OF MICHELE P. PAGAN

SMITHSONIAN MUSEUM CONSERVATOR Don Williams handles a vintage pair of binoculars in a fragile vegetable tanned leather case.

BAY AREA NEWS GROUP MORTGAGE GUIDE

Mortgage Product Advertisement
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First time homebuyers and FHA Loans					30-yr Fxd Jmb/Conf	5.375*	1.000	5.568	30
Call 408-891-0419 for daily rates.					FHA/VA 30-yr Fxd	5.500	0.000	5.570	30
steve.marchana@bankofamerica.com					3/1 ARM Jumbo	5.000*	1.000	5.185	30
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1999 South Bascom Avenue, Suite 810, Campbell, CA					110 Solano St., Brisbane, CA			DRE # 01127582	

12 Month Avg 30 Year Rates



Key Financial Indexes

	This Week	Last Week
1 year T-Bill	0.560	0.500
10 year T-Bill	3.890	3.700
Prime Rate	3.250	3.250
11 th District COF	1.380	1.380
6 Month LIBOR	1.240	1.240

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* Disc. Pts. = discount points which are fees paid to buy down the interest rate. Other closing costs may apply and vary from loan to loan. All brokers earn compensation for their services by either collecting origination fees from the borrower at closing or by a lender paid rebate in return for a higher interest rate, or a combination of the two. Click on "Fees" in the "Current Mortgage Rates" section of the website + contact each co. for details. Rates based on \$175,000 first mortgage loan for single family home with 20% down unless otherwise noted. Jumbo rates (loans that exceed \$417,000) or "super-conforming" rates (loans between \$417,001 to \$625,500 depending on location) based on \$450,000 loan. All rates are believed to be accurate but cannot be guaranteed and are subject to change without notice. Minimum down payment requirements, 720 FICO scores, and other restrictions may apply. Companies pay a fee to be in this Guide. Ask your lender for details about nontraditional loans that may have features like negative amortization, prepayment penalties or extra cost for reduced documentation. APR=annual percentage rate and is calculated by each company - includes costs to obtain loan and private mortgage insurance if required. Lock=rate lock period. ARM=adjustable rate mortgage. Companies should comply with Equal Housing Opportunity Regs. DDC# = Licensed by Department of Corporations DRE# = CA Dept. of Real Estate, Real Estate Broker. INFOTRAK and the Bay Area News Group do not warrant the accuracy of the information contained in this guide. None of the above rates constitute an offer. Please contact individual lending institutions for details. Copyright 2009 INFOTRAK National Data Services.

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