



Self-Help Enterprises

Building Houses → Homes → Communities

PROJECT AT A GLANCE

Developer:
Self Help Enterprises

Architect:
Jay Hyde & Alicia Chavez,
Mogavero Notestine
Associates

Contractor:
Brown Construction Inc.

GreenPoint Raters:
Goss Energy Services

Green Programs:
• Build It Green
Multifamily GreenPoint
Rated Project

Build It Green is a recognized, CA based program that provides independent verification and seal of approval for green homes

- New Solar Homes Program (Solar Rebate Program)
- California Multifamily New Homes Program - (PG&E Rebate program)

Self-Help Enterprises
8445 W. Elowin Court
P.O. Box 6520
Visalia, CA 93290
Phone: (559) 651-1000
Fax: (559) 651-3634

Rancho Lindo

*44 Unit, Responsibly Built, Affordable, Multi-Family Rental Project
Lamont, Kern County*



Renewable Energy:

- 42,000 kWh grid-tied photovoltaic (solar) system for community center and communal onsite lighting

Energy Efficiency:

- Cool tile roof with 54% solar reflectance
- Use of tank-less hot water heaters
- Project exceeds California Title 24 Energy Standards by 37 %
- Use of radiant barriers in ceilings
- Use of certified Home Energy Rating System (HERS) rater duct testing on all Heating Ventilation Air Conditioning (HVAC) systems, and verification for quality insulation installation
- Use of low-emittance double pane windows
- Use of all Energy Star appliances: dishwasher, refrigerators, air conditioner, exhaust bath fans and hot water heaters.
- Raised heel roof trusses to accommodate increased levels of attic insulation
- Use of deciduous trees on south and west facing window
- Passive solar energy savings through building orientation



Cool tile roof reduces energy demands



A 42,000 kWh solar system provides the energy needs for the community center and communal lighting

Resource Conservation:

- Use of advanced framing techniques that result in less material waste: techniques include door & window headers sized for load
- Construction & Demolition Waste Management Plan with a 50% recycling of construction waste
- Use of stained concrete in community center
- Use of linoleum sheet flooring– made from renewable natural materials such as oil and pine resins.
- Eco-friendly playground equipment including Spectra Turf base made from recycled tires

Water Conservation:

- Drip-irrigation system used on all plants
- Weather based irrigation controllers – high efficiency system that uses weather satellite signals and soil conditions to provide site-specific landscape irrigation schedule
- Use of synthetic grass in many areas
- Ultra-low flow water fixtures with greater than standard water efficiency flow rates (showers less than 2.0 gallons per minute (gpm), faucets less than 1.5 gpm, toilets less than 1.3 gallons per flush, dishwashers less than 6.5 gallons per cycle)
- Water Friendly Landscaping: CA Native landscaping/ plants and trees with medium to low water needs

Indoor Air Quality:

- Use of Indoor Air Quality Management Plan - reduce building air quality contamination by sealing HVAC ducts during construction; eliminating the use of materials containing Volatile Organic Compounds (VOC), formaldehyde and other toxic contaminants from construction processes.
- Low or zero -VOC paints, wood finishes, & adhesives
- Installation of CRI Green Label Plus carpet
- Energy Star Bathroom fans with humidistat sensor
- Vent kitchen range hoods to the exterior of buildings
- Cross ventilation in all units (operable windows)

Community:

- Within 1/2 mile from schools, grocery stores, a public park, a church, health clinic, library, and other community services and facilities
- Onsite community center with educational and after school programs
- On site playground and basketball court



Playground equipment features Spectra Turf base (made from recycled tires) and other environmentally friendly materials



Stained concrete floors are durable and improve indoor air quality



Use of artificial turf, and drip irrigation system for plants greatly reduces water consumption



Low VOC materials protect indoor air quality - fluorescent lighting saves energy