

Himalayan Carpet

100% Organic Wool from Nepal

Wool carpet is the most sustainable flooring material and is 3x more dense than most carpet. It's totally natural, shorn from sheep, and only requires sun, rain, and grass for the sheep to produce. No artificial ingredients needed, no artificial ingredients added. It is composed entirely of amino acids, the building blocks of life. Wool is produced from a totally renewable resource—grass—and is environmentally sound. Himalayan wool is highly renewable and biodegradable (sheep can be shorn every 9–12 months). Wool carpet is naturally stain and soil resistant due to overlapping scales, arranged much like roof shingles, that inhibit dirt from adhering to the fiber and help fleck it away and make it naturally crush-resistant. Natural Jute backing makes it strong and, as an added bonus, wool is totally non-allergenic and does not promote the growth of dust mites or bacteria.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request



Electric Car Charger

Charge Point

Included in the Living Zenith home is a Charge Point home electric car charger. Bringing innovation home with the smartest, smallest and most advanced home, the Charge Point EV charger offers speed, convenience and intelligence all in an ultra-sleek, beautiful and durable design.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request



Solar Battery Storage & Net Metering



Our solar electric system is “forward compatible” with storage, whether or not a battery pack is installed at the time of the solar installation. Not only can solar batteries keep the lights on when the sun or grid is down, but they can also support the utility grid by filling intermittent gaps in renewable energy production when clouds pass over or wind subsides.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

E-Bike

E-3 Metro

Enjoy your new life as you ride/walk/ride everywhere. Included with each home is an E-bike (E3 Metro). PAS/TAG+ introduces cadence-sensitive pedal assist technology. When you pedal in PAS mode this system senses your cadence and intelligently adjusts motor power to match. Select between three levels of power assist using a handlebar-mounted button. If you need even more boost regardless of setting or speed, just twist the throttle and override the system to max power. If you want to forget pedaling entirely, change to TAG mode and use the throttle alone for regulating speed and power.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request



HERS Rating



The HERS Index is a measurement of a home's energy efficiency. The lower the number, the less energy needed to power your home and the lower your utility bill (more energy efficient homes need less energy). Factors in the HERS score include: All exterior walls (both above and below grade); Floors over unconditioned spaces (like garages or cellars); Ceilings and roofs; Attics, foundations and crawlspaces; Windows and doors, vents and ductwork; HVAC system, water heating system, thermostat; Air leakage of the home; Leakage in the heating and cooling distribution system

Living Zenith: 0 HERS Typical Home: 130 Efficient Home: \$Upgrade + Request

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Microgrid Ready

Support from WheelerCat



Living Zenith is currently working with Wheeler Cat to design and deploy a Microgrid—meaning battery power storage that operates without reliance on the neighborhood grid and existing infrastructure. They come with complete controls for managing the entire grid, flexible fuel options, and are designed for super performance from the electronics system to the thin-film solar modules that are setting the industry benchmark for solar panels. Microgrid systems are created using standardized building blocks configured to your specifications.

Living Zenith: In Development Typical Home: Usually Not Available Efficient Home: \$Upgrade + Requeste

Solar Inverter



A solar inverter, or converter or PV inverter, converts the variable direct current (DC) output of a photovoltaic (PV) solar panel into a utility frequency alternating current (AC) that feeds into a commercial electrical grid or used by a local, off-grid electrical network. It is a critical balance of system (BOS)–component in a photovoltaic system, allowing the use of ordinary AC-powered equipment. Solar power inverters have special functions adapted for use with photovoltaic arrays, including maximum power point tracking and anti-islanding protection.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

HRV

Venmar



Heat recovery ventilation (HRV), also known as mechanical ventilation heat recovery (MVHR), is an energy recovery ventilation system using equipment known as a heat recovery ventilator, heat exchanger, air exchanger, or air-to-air heat exchanger which employs a cross flow or counter-flow heat exchanger (countercurrent heat exchange) between the inbound and outbound air flow. HRV provides fresh air and improved climate control, while also saving energy by reducing heating (and cooling) requirements for many applications including vehicles.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Mini-Splits

GREE



Like central systems, mini splits have two main components: an outdoor compressor/condenser, and an indoor air-handling unit. A conduit, which houses the power cable, refrigerant tubing, suction tubing, and a condensate drain, links the outdoor and indoor units. We've chosen these systems because they are green and highly efficient. They save money and protect our environment all at the same time. These systems are reliable with a proven track record for performance.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

One Car Garage



What? Why?

Living Zenith at Liberty Park is located in one of the most walkable neighborhoods of SLC. According to WalkScore.com, you're standing in a community that is "flat as a pancake" We believe in "walkable neighborhoods" that have a center, whether it's a main street or a public space. Living Zenith is anchored in "pedestrian design." Buildings are close to the street, parking is limited, and biking or walking is encouraged. This philosophy creates interaction of people—it boost community, conversation, and congregating. Living Zenith is near Liberty Park (1 block east), it's walkable to shopping (2 blocks north), and close to schools, churches, and coffee-shops (all 5 min walks).

Living Zenith: Strategically Included Typical Home: 2 or more Efficient Home: \$Upgrade + Request

Low Flow Water Features



Charge Point

"Low flow" water fixtures are sink faucets, shower heads, and toilets that use less water per minute than older, traditional models. Low-flow water fixtures conserve water by using a high-pressure technique to produce a strong or equal flow of water with less water than other less-efficient fixtures. With the Utah water outlook warning of pending shortages, Living Zenith deliberately curates all devices and appliances in their houses to be water-smart and "low-flow" (toilets, sinks, showers, fridge, dishwasher, washing machine).

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Toxins Not Included



You'll Thank Us for the Low-VOC.

Paints and finishes release low level toxic emissions into the air for years after application. The source of these toxins is a variety of volatile organic compounds (VOCs) which, until recently, were essential to the performance of the paint. We've also avoided the "Red List of Building Materials"—items that contain chemicals and have been designated as harmful to living creatures, including humans, or the environment. We've deliberately sourced our non-VOC paint (Sherwin Williams) and other finishes to keep you and yours healthy.

Big-Ass Fan



That's the Name. Really.

This massive overhead fans brings comfort and energy savings to keep the air in this home fresh and circulated. Big Ass means quality, form and function to solve problems in the built environment. Whole House Fans are the fastest growing method of keeping your house cool without relying on expensive air conditioning. Also called Attic Fans, Whole House Fans utilize the principles of airflow and convection to cool your home more efficiently. Energy consumption tends to rise by over 30% during the summer months. A Whole House Fan has the potential to cut your summer energy bill dramatically while keeping you just as cool. As an added bonus, you'll be doing the earth a favor by reducing your personal energy consumption.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Thermal Mass

Concrete Floor & Quartz Countertops



Thermal mass is a material's resistance to change in temperature. Objects with high thermal mass absorb and retain heat. You're standing on concrete and looking at quartz countertops—both of which have high thermal mass ability (to absorb/retain heat during the day and give off heat in the night when the sun is down). Thermal mass is crucial to good passive solar heating design, especially in locations like Salt Lake City that have large swings of temperature from day to night.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Euro-glass Panels & Doors



It is proven: glass is the most recycled packaging material. 80% of European consumers recycle glass and this percentage rises to 86% in Italy. Recent research revealed that 65% of consumers prefer glass because it's more aesthetic and is safer for health. A goodly number of consumers, oriented towards an increasingly widespread "sustainable" lifestyle, judge glass to be "environmentally friendly." Not to mention, glass is a natural barrier against bacteria. It is totally impermeable to oxygen, keeping food and beverages fresh and with all their vitamins, minerals and other beneficial components. Glass walls doors have the absolute lowest chemical interaction with their contents.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

LED lights



LED is a highly energy efficient lighting technology, and has the potential to fundamentally change the future of lighting in the United States. Living Zenith LEDs use at least 75% less energy, and last 25 times longer, than incandescent lighting. Widespread use of LED lighting has the greatest potential impact on energy savings in the United States. By 2027, widespread use of LEDs could save about 348 TWh (compared to no LED use) of electricity: This is the equivalent annual electrical output of 44 large electric power plants (1000 megawatts each), and a total savings of more than \$30 billion at today's electricity prices. Now, that's smart. Light it up!

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Thermos-Effect



Heat Your Home with a Hair Dryer?

Living Zenith is a passive-solar house (aka Passivhaus Design in Europe). To "live zenith" means to have a very high standard of insulation. We reduce the amount of heat lost through the building fabric to a very low level. Super insulation requires only preheating the fresh air entering the rooms. This "thermos effect" allows us to, quite literally, heat our Living Zenith home with a hairdryer. Temperature loss in most homes is usually due to external walls, ceiling, roof, or the basement. R-value indicates the capacity of an insulating material to resist heat flow. The higher the R-value, the greater the insulating power. This home was deliberately built "slab on grade" on top of foam to improve the entire thermal envelope. Higher R-values means better insulative impact. Here is a comparison of Living Zenith Standards and Utah Code Standards.

Living Zenith Roof: R-72 Living Zenith Wall: R-40 Living Zenith Floor: R-20

Utah Code Roof: R-72 Utah Code Wall: R-40 Utah Code: R-20

Heat Pump Water Heater



Rheem

Heat pump water heaters use electricity to move heat from one place to another instead of generating heat directly. Therefore, they can be two to three times more energy efficient than conventional electric water heaters. Our Rheem Hybrid Heat Pump is the most advanced, energy-efficient water heater with over \$4,000 in lifetime savings with less than 2 years payback.

The Living Zenith standard for a heat pump water heater is 2.45 EF and reduces operating costs by \$340 annually compared to a standard 50-gallon electric model. Our selection will deliver hot water faster than most standard electric water heaters—73 gallons first-hour delivery for 50-gallon model and 86 gallons FHD for 80-gallon model; 8700 Btu/h compressor—the most powerful in its class for quick recovery of hot water. Ambient operating range: 37-120° F is widest in class, offering more days of HP operation annually.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

HD Outdoor WiFi Camera



Zmodo

Enjoy outdoor security and monitor your home from your phone while at home or away. You decide what views you'd like of the exterior of your home and whether you'd like the cameras inside as well. Totally customizable, this security system is top of the line and wifi enabled. Breathe easy in your urban respite.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Alexa Smart Home

Amazon



Let your home know you. This home is totally designed for voice-controlled automation and away-from-home control. Turn on the lights, turn down the heat, or turn up the music. Simply say, “Alexa, turn on the kitchen lights” or “Alexa, turn up the heat.” In the Living Zenith home, all lights, switches, smart plugs and thermostats can be controlled without lifting a finger. Alexa understands the user’s speech, converts it to a directive and sends that directive to your skill adapter. Putting the “customization” into this totally customized Living Zenith home, you’ll create the skill adapter in AWS Lambda which translates between Alexa’s smart home capabilities and your device’s proprietary control systems. Too much jargon? Buy the home and read the user manual.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Triple Paned Windows

Milgard Lifetime Warranty



Triple glazing technology provides yet another option for improving the energy efficiency of your windows. This technology adds a third layer of glass that improves insulating properties, keeping homes in northern regions warmer. Energy-efficient glass is an excellent place to build a tighter home. The glass you select is the single most important component when considering energy efficient windows and patio doors. Innovations in window and door glass coatings and insulated glazing assemblies enable Living Zenith windows to provide excellent energy efficiency, clarity and performance. Two innovations we won’t budge on: triple glazing and Low-E glass.

Living Zenith: Installed Typical Home: Single Glazed Efficient Home: Double Glazed

Recycled Steel



Steel is one of the most sustainable building materials in the world. Living Zenith embraces the common sense approach that reducing impact on the environment is not only the right thing to do, but it makes economic sense. Our Living Zenith home integrates steel inside and outside - for its stability, aesthetic, and sustainable features. Every piece of steel used in our construction contains recycled content. Further, all steel can be recovered and recycled again and again into new high quality products. Steel is durable, safe, and strong. It is not susceptible to rot, termites, or mold. Steel used for framing will last from hundreds to over a thousand years due to its zinc coating, a natural element. Steel structures require less material (both reduced weight and reduced volume) to carry the same loads as concrete or masonry or wood structures. Not to mention, steel is dimensionally stable: it will not warp, split, or creep - making it durable and built to last.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request

Surround Sound



Yamaha

Living Zenith makes it easy to bring music to every room in your home wirelessly. Let our Living Zenith surround sound fill up your home with home stereo to fit your needs, providing wireless multiroom audio playback controlled by a simple app.

Living Zenith: Installed Typical Home: Usually Not Available Efficient Home: \$Upgrade + Request