



Industry Innovations

RCH Pre-Construction Newsletter

Happy post holidays to all of our friends! We're excited to get back to the grind and helping you find the right innovations for you. We have a wide variety of crazy and amazing things to show you this month. We look forward to hearing your thoughts and starting some conversations!

Nevin's Picks

Optim-R Vacuum Insulated Panel: This foil-wrapped insulation achieves an astounding R-32 per inch—about 10 times the R-value of fiberglass batts—because it encases a vacuum, just like a Thermos bottle. *From \$20 per square foot; [Kingspan Insulation](#)*



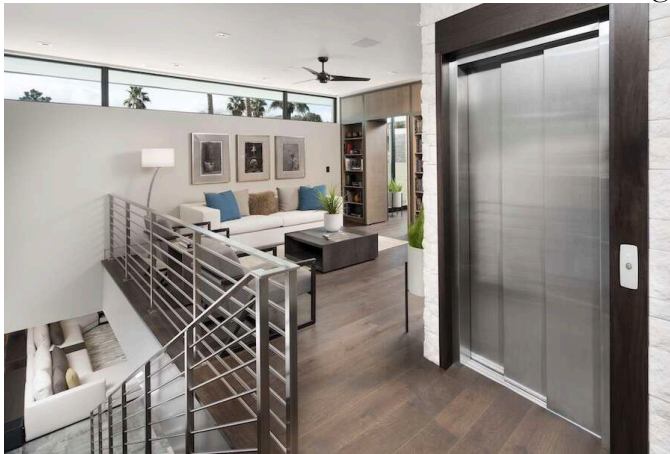
Thermoslate Solar System: This 18-square-foot rooftop collector, covered with natural Spanish slate, uses the sun's heat to create free hot water, and blends in seamlessly with the rest of a slate roof. *\$2,300 for the panel, \$5 per square foot for the slate; [Cupa Group](#)*



Load Center with Wi-Fi Connectivity: Finally, an electrical panel for the 21st century. It has LED-lit circuit breakers that show you what's working, what's tripped, and whether the trip was a ground fault or an arc fault. It will send trip alerts to your smart device, and let you track power usage—and cost—for your whole house or individual circuits. Did you forget to turn off the oven? Use your phone to trip its circuit remotely. *From \$2,500; [Leviton](#)*

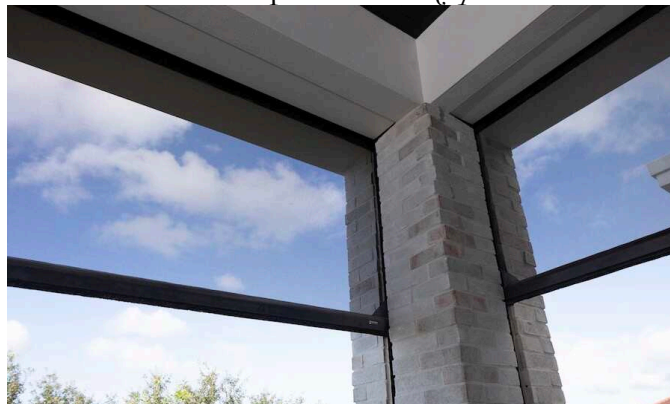


Garaventa Lift Elevator: The Elvora Home Elevator provided by *[Garaventa Lift](#) is quiet, comfortable, and energy efficient. The home's elevator includes a premium door package with sliding hall doors and sliding interior doors. The elevator also features leather-panel side walls; natural, woven wallcovering on the back wall; a walnut stained-in-place wood floor in a chevron pattern; brushed stainless steel handrails; and white ceiling lights. *Silver partner*



Jason's Picks

Phantom Screens Outdoor Screens: ***Phantom Screens**' motorized retractable screens can open up or fully enclose covered outdoor spaces at the touch of a button, automatically with environmental sensors, or when integrated with a home automation hub. Concealed out of sight until needed, screens come in a variety of mesh styles and tints/colors, enabling homeowners to enjoy pest-free fresh air and delivering effective solar shading, privacy, and temperature control to create comfortable, all-season outdoor spaces. *Bronze partner*



Tesla Solar Tiles: RENEWABLE CLEAN ENERGY WITH CURB APPEAL Gone are the days of bolting dinner-table-sized panels to your roof in order to experience the benefits of solar energy. Solar roof shingles are small, custom shingles [designed to blend in almost seamlessly](#) with traditional roof tiles. Not only are these shingles aesthetically appealing, but they function both as solar panels *and* as durable roof tiles — so your roof will still be protected from the elements as it absorbs sunlight for energy use. You may have heard of [Tesla Solar Tiles](#), although these are not the only options in the market. As you can see from the photo below, they certainly make for an attractive roof, and especially when paired with a battery, such as the [Tesla Powerwall](#), providing your energy needs.



MUSHROOM INSULATION AND PARTICLE BOARD REPLACEMENT Yes, you read that correctly – Mushroom-based building materials have arrived! Mushroom roots, or mycelium, can be used to make building materials that are [stronger than concrete, more insulated than fiberglass, and completely compostable](#). Who would have guessed? Plus, mycelium grows without light underground, meaning no external energy source is needed for growth.



LiftMaster garage door openers The *[LiftMaster](#) Secure View 85503 garage door opener is a Wi-Fi-enabled product with superior lifting power, security features, and an integrated battery backup to operate the door during a power outage. Using the MyQ app, users can remotely control the entire system. *Bronze partner*



Please note that all the wording and pictures have been taken directly from the website from which the products were sourced. We have given them credit for the links to the actual website.

Stay tuned for more!

Pre-Construction Department

Nevin Middleton (VP) & Jason AB Jarman (Project Engineer)

E PreCon@rainiercustomhomes.com

C (206) 513-4242



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