



Industry Innovations

RCH Pre-Construction Newsletter

This month we're going to show off a little. We have received several awards and would like to share them with you to help grow your confidence in us, that we can make your vision for your project come to life! The goal of Rainier Custom Homes is to give you a *remarkable* experience. Everyone knows that construction can be a roller coaster, but we want to make sure that you have confidence in our ability to get the job done and get it done right, the first time! Hopefully your project will be an award winner as well, just like the ones you'll see on this newsletter. Thank you for giving us the opportunity to deliver you a remarkable service!

2021 Awards

We here at Rainier Custom Homes would like to thank you for helping us make this last year a great year despite the unprecedented times. Our 2021 projects are every bit as amazing as last year. Your belief and trust in us is greatly appreciated. While we build and remodel everywhere around the Puget Sound, we have been recognized as one of the top 11 builders in Sammamish. Here is the link to that article.

<https://www.homebuilderdigest.com/the-13-best-custom-home-builders-in-sammamish-washington/>

Also, on June 12th at 6:30pm, RCH will be recognized for two first place awards by the Master Builders Association for Excellence. And, for the second year in a row, we have been nominated for Best In Show. If you can, please join us on the awards night and celebrate with us! Here's how to register for the event:

https://zoom.us/webinar/register/WN_o7pNIX11RrWHJlZSzav9xw?ID=8827

- Steve Hetteema, CEO of Rainier Custom Homes

These pictures (below) are of a project that we submitted for "Best In Show"



One of our recent kitchen remodels was so remarkable it was chosen by a manufacturer to be printed inside its sales brochure. This sales brochure is nationally distributed to the whole building industry and remains in distributor showrooms for a whole year. Way to go RCH and way to go Crystal Delgado with Signature Design and Cabinetry out of Tacoma. Check out the brochure [here](#)! Click the View/Download Brochure. We're featured on page 3, the kitchen using the Skyline Vertical cabinet line.

Innovations

Nevin's Picks

Germ killing light

With the last year being all about pandemic, virus and bacteria, LIFX has a lightbulb that will kill germs!!! While you sleep, it can help to keep the house clean.

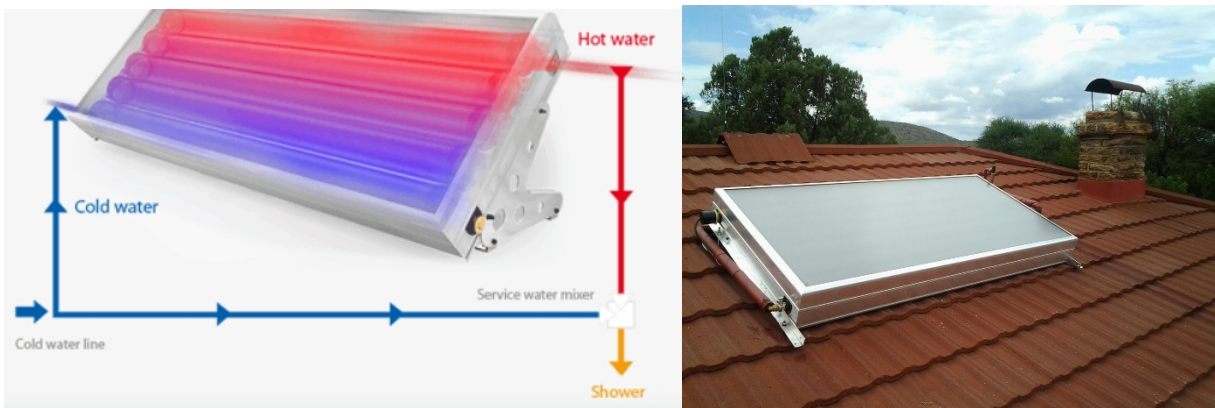
Check it out at <https://www.lifx.com/pages/lifx-clean-germ-buster>



Solar Hot Water

I'm all-over alternative ways to make your house more energy efficient. One of my favorite products is a tankless solar water heater. I've installed several of these from Solpal™. This revolutionary way of heating your domestic hot water may seem like it wouldn't work well in Washington, but it actually works great! You can see how this open loop system works below. Heating your water can take a lot of energy so why not let the Sun do the work. Even on a cloudy day the UV light still gets through the clouds and that is what this system uses to heat the water. It's the same idea as putting a black hose on shed roof to heat up the water while you fill up the pool! It's extremely efficient, ties directly into your domestic hot water system, and can be used in a retrofit application. This system is budget friendly in comparison to other solar hot water systems.

Check out the [Solpal™](#) system!



Jason's Pick

As many of you know, the energy requirements and building codes for air infiltration changed in February of this year. Part of this change includes making the home sealed 40% tighter to air infiltration than before. At first it was shocking but the more we looked into it, the more we realized it was a great thing! When air leaks into the house it brings in dust, pollen and moisture. None of which are things we want coming into your home. When air leaks out of the home it takes the conditioned air with it, costing you money! Even beyond air infiltration through leaks in the exterior walls, windows and doors can also leak. Right now we're in the midst of allergy season. Pollen and cotton are all over! The last thing you want is for that getting into your home.

One of the solutions is to bring the air in through an HRV (heat recovery ventilation). An HRV will remove the stale air and filter the outdoor air. It protects your investments you have in the conditioned air by not just exhausting it to the outside. The conditioned air passes through a heat exchanger. It also creates positive pressure in the house. That way when you open doors instead of the outside air coming in, the inside air pushes out making it so that pollen, dust, moisture and cotton won't come into the house.. An example of an HRV that we have used and love is Lifebreath™. It is more of a commercial product but being used more and more in residential houses. Overall, HRV's will help your house breath but under your control. It will help you save over the long run all year around, whether your heating or cooling your house.

Check out the [Lifebreath™](#) systems!

LIFEBREATH MEANS QUALITY INDOOR AIR

Coming clean with the air we breathe

Your home is draft-free and warm in the winter, and cool and comfortable in the summer. But efficient, airtight construction also seals in pollutants that can make you sick.

These irritants settle on walls and furniture, building up over time. But ordinary activities recirculate them, which means you'll inhale them - as much as two whopping spoonfuls every day.

What's in the air?

- Carpet/furniture chemicals
- Cleaning product residues
- Tobacco smoke
- Fungus spores
- Dander
- Dust

Effects on health

- Allergies
- Asthma
- Chronic respiratory conditions
- Headaches
- Exacerbation
- Immune disorders

IMPROVE THE QUALITY OF THE INDOOR AIR YOU BREATHE WITH THE RIGHT SOLUTION FOR YOUR HOME

Replace stale indoor air with fresh pure outdoor air.

With a full range of air quality control products and accessories, you can select the solution that best suits your needs and the configuration of your home.

HEAT RECOVER VENTILATOR (HRV)

During the heating season, Lifebreath's Heat Recovery Ventilators replace stale air with fresh air throughout your home, helping prevent moisture build-up, toxic mold and rot.

ENERGY RECOVERY VENTILATOR (ERV)

The Lifebreath Energy Recovery Ventilator transfers heat and humidity from fresh air to the exhaust stream. In year-round warm, humid regions, the ERV helps keep your home dry and cool, reducing your air conditioner's load.

OUR HEAT EXCHANGE CORE - IT'S WHAT SETS US APART

Keep your air fresh while conserving energy

Your home was built to be energy efficient, and Lifebreath's HRV helps it stay that way. In winter, the HRV's patented aluminum core transfers heat from outgoing, stale air to incoming fresh air so that it doesn't need to be fully reheated. In summer, the HRV works in reverse, removing heat from incoming air, helping your home stay cool. Lifebreath HRVs give you fresher, cleaner air without adding load to your heating and air conditioning.

Heat from the indoor air is transferred via the unit's aluminum core to the incoming fresh air stream.

CLEAN AIR FURNACE (CAF)

Lifebreath's Clean Air Furnace warms fresh air with hot water from your home's water heater. As the furnace circulates the warmed outside air throughout the house, the water flows back to the heater for other uses.

TURBULENT FLOW PRECIPITATION (TFP)

Our Turbulent Flow Precipitation Air Cleaner with HEPA filter improves indoor air quality by removing 99.97% of all airborne particles. Lifebreath's patented system provides maximum airflow and filtering without clogging or the need for constant adjustment and cleaning.

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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