

Owner Questionnaire Form

Mechanical:

- HVAC
 - Forced Air
 - A traditional central air system that will provide heating to the house through floor, wall, and ceiling grilles. If radiant heating is also chosen (recommended), the central air will act as a supplementary source of heating.
 - Note: Some larger homes will require central air in addition to radiant heating to keep the house warm in the coldest months of winter.
 - Required for the Air Conditioning and Humidification options below to be added.
 - Air Conditioning
 - Adds cooling capabilities to the central air system. This option allows the central air system to keep the house at a more comfortable temperature during the summer.
 - Humidifiers
 - Humidifiers improve the overall comfort of your house by relieving the effects of an arid environment such as dry skin, and more intense allergy symptoms. Humidifiers also improve longevity for the home by preventing wood from drying out and cracking.
 - Oxygen
 - The low oxygen levels at altitude can cause headaches, nausea, fatigue, and insomnia. Adding oxygen to the bedrooms of your home will lower the effective elevation and allow a more comfortable night of sleep. Sleeping with more oxygen also helps to alleviate the symptoms of altitude sickness throughout the day.
 - Air Filtration
 - Good
 - Above average air filtration that is the standard for any Harvey's design.
 - Better
 - Electrostatic air filtration which more effectively removes dust and other contaminants than a conventional filter.
 - Best
 - Hospital-grade HEPA air filtration provides you with the highest quality indoor air available.

- Hydronics:
 - Radiant Floor Heating
 - Radiant heating works by running hot water through tubing in the floor of your house. This heats the house itself rather than just the air inside which then; through radiant heat transfer, warms the occupants. Radiant heating creates a more comfortable environment inside the house even at lower thermostat temperatures leading to savings in heating costs.
 - Radiant Floor Cooling
 - Uses the same tubing as the radiant heating system. Works in a similar manor as radiant heating but instead pulls heat away from the occupants. Also similar to radiant heating, this system will provide greater comfort at a higher thermostat setting and save on operating costs over traditional air conditioning
 - Geothermal
 - Geothermal systems circulate water in the ground to extract/inject heat from the earth which can then be used instead of burning gas to improve the efficiency of a radiant or central air heating system. These systems are very energy efficient and result in significant operating cost savings. Currently geothermal systems are eligible for a tax credit.
 - Snowmelt
 - Radiant, but for your patio or driveway. This system will melt snow from patios, walkways, and driveways. In the event of larger storms, it will prevent ice buildup and make snow removal significantly easier.
 - Solar Water Heating
 - Similar to photovoltaic solar panels, this system uses roof or ground mounted panels to heat water for use inside the home. This reduces the work placed on the boiler which can save money on fossil fuel cost and extend the life of the equipment from less use.
 - Domestic Water Heating
 - This option will use the hot water from the solar panels to assist in heating the water in the hot water heater for domestic use.
 - Heating Water
 - This option uses the hot water from the solar panels to aid the heating systems in the house. Paired with a geothermal system, this option can send excess energy into the bore holes which improves the efficiency of the geothermal system.

Plumbing:

- Water Softener
 - Softening water removes the calcium from the source water coming into your house. This prevents unsightly calcium deposits from building up in plumbing fixtures such as showerheads and faucets. Softened water will also extend the life of equipment such as boilers and hot water heaters which means less maintenance costs to worry about down the road. Water softeners are almost a necessity due to the high levels of calcium in the water in Big Sky.
- Whole House Water Filtration
 - Whole house water filter to remove waterborne contaminants such as sand, grit, clay, rust, chlorine, and chloramines that exist in both well and municipal water systems. These particles can cause wear and tear on your appliances and accumulate in your faucets and shower heads ultimately requiring additional maintenance and shortening the lifespan of the equipment.
- Reverse Osmosis (RO)
 - The purest water you can get! Reverse osmosis removes the smallest of contaminants from a water supply to provide the highest quality drinking water available.
- Steam Shower
 - Steam showers can help improve circulation, reduce stiffness, improve skin health, and reduce stress. Create a large steam room for the whole house or bring the luxury of a private spa to the master suite. Steam showers also use less water than conventional showers per use!

Electrical:

- Solar PV
 - Give your house a power boost and slash utility bills with a solar array. Solar panels can supplement the electrical demands of house lighting, air conditioning, or even a geothermal system. Power can also be stored with a battery system and used during peak hours of the day when utility rates are the highest. Currently solar PV systems are eligible for a tax credit.
- Electric Car Charger
 - Keep your electric vehicle charged up and ready to go with charging ports installed right in your garage.
- Backup Generator
 - Backup generators provide peace of mind in knowing that if the power goes out, your home and any temperature sensitive items inside will be safe if the power goes out.

Mechanical Room:

- Controls:
 - Visible Thermostat
 - Visible thermostats are your typical thermostat on the wall that allows any user to walk up and adjust the temperature. These can also be controlled by a phone/tablet app if desired.
 - Remote Thermostat
 - Remote thermostats use discreet temperature sensors that are less visible and control the heating/cooling system through a phone/tablet app or central house controller.
 - Control via a phone/tablet app
 - Tell us about how you would like to interact with the mechanical system in your home. Would you prefer a simple system that you never have to touch, or do you enjoy more tech that gives you the opportunity to fine tune every space in the house?

- Mechanical Room Pod:
 - Mechanical Room Pods are an innovation of Harvey's that streamlines the installation process by building the mechanical room offsite in a prefabricated module that is then shipping to the job site and dropped into place. At no extra expense to you, this option provides a more efficient, environmentally friendly, higher quality build that cuts down on waste, improves job site safety, and reduces transportation costs.

Any additional comments, questions, or things we should consider? Would you like additional information on any of the options listed above?
