



MOUNTAIN VALLEY BUILDING INSPECTIONS, INC.

Date: May 4, 2022

Quotation #: 3847

To: Elizabeth Averick
595 Worcester Loop
Stowe, VT

RE: Radon Mitigation

Dear Elizabeth,

We welcome the opportunity to offer the following proposal for the design and installation of a complete radon mitigation system for the above Stowe home.

Following a radon test result of 7.9 pCi/L, our proposal is based on providing a complete one point suction radon mitigation system. Two options are offered: **Exterior System Option:** Radon piping will extend from underneath the basement slab (location to be determined) through the exterior sill to the outdoors where the radon exhaust fan and riser pipe to above the eve will be located. **Interior System Option:** Radon piping will extend from underneath the basement slab (location to be determined); through the basement sill into the garage and up to the attic space where the radon exhaust fan and riser pipe through the roof will be located.

All materials and workmanship will be in accordance with recommended EPA and NRPP mitigation guidelines and standards. All systems are engineered and designed with efficiency, maintenance, aesthetics, sound levels and overall performance in mind.

The following is included:

1. Pre-mitigation testing underneath the plastic foam floor system extension points to assure proper design and performance of the mitigation system. This is necessary to properly size the mitigation fan and piping. Proper sizing of the fan is very important as too exhaust large amounts of air from within the house through inaccessible slab and foundation seams. Exhausting air from within the house through the mitigation system could have an adverse effect on heating flues, chimneys and overall heating bills.
2. One (1) standard size "RadonAway" radon mitigation fan properly sized for the application. Although the fans are generally quieter some sound may be heard depending on fan size required for your application. Condensate bypass will be provided.
3. All cutting and patching of the slab, sill and/or roof penetrations. All openings will be performed in a neat and clean manner.
4. Exposed slab cracks and any accessible unsealed perimeter slab/foundation joints, wall penetrations or sewer clean out access will be cleaned and sealed, where required, in order minimize exhausting air from within the house.
5. 3" schedule 40 PVC piping will extend from under the basement slab to the outdoor or attic mounted mitigation fan. 3" PVC exhaust piping will extend from the fan to one foot above the eve or roof penetration. All piping will be thoroughly cleaned, sealed and properly supported.
6. Electrical service will be extended from an existing nearby electrical circuit to the new radon fan. An on/off switch will be provided for emergency use. All new electrical services to the fan are hard wired. Power cords are not used and power is not taken from smoke detection circuits.
7. A visual indicator gauge will be provided on the piping for proper system operation verification.
8. Pressure testing of the basement will be performed after the system is installed to assure there are no adverse negative pressure effects on the existing chimney drafts, heating equipment or the overall structure.
9. The entire system will be properly labeled throughout with approved radon system labels.