TOWN OF YORK, MAINE
AFFIDAVIT OF RADON INSTALLATION

PROPERTY ADDRESS: _____ Map & Lot: _____

RADON SYSTEM REQUIREMENTS

Radon removal systems are now required in new low rise residential buildings, per Maine Uniform Building and Energy Code, which is in effect Statewide.

By Signing this document, you are verifying that the radon system installation meets or exceeds the requirements in ASTM E 1465-08 which can be found at the Town of York Code Office.

- A minimum of a 20' length of perforated 4" PVC pipe, or a loop if it has been installed underneath the basement slab, in crushed stone, (the "soil gas collector"), with a tee in it that comes up through the floor and has been installed in accordance with [6.4.2]. If the application included foundation drainage piping to also be the radon collection pip running into a sump, it has been installed with a check valve, before leaving the building, as detailed [6.4.4.32].
- A 6-Mil polyethylene "soil gas retarder" with 12" overlapped seams over the crushed stone has been installed.
- A 4" or 3" [6.5.3.1 – buildings with a footprint over 1500 square feet are installed with 4" non-perforated schedule 40 PVC pipe, running up through the building, within the thermal envelope, and through the roof, with space near the roof, or above it, for a fan to be added if needed. The system is under negative pressure where it passes through the house. The fan cannot be in the basement. Near the room, there must be a 2" diameter x 3' tall cylinder of clear space, in case a fan is needed, an electrical feed from the panel provided to that space, whether the system has a fan or not has been installed.
- The raydon system does not suck clean air from the foundation drain system from the outdoors through the foundation drainage. All interior building foundation drainage discharges into a sump in the floor of the basement or crawl space with a check valve in the discharge line with a bolted, gasketed lid [6.2.4.2, and Figures 9 & 10J].
- The check valve will be normally shut, keeping outdoor air out, unless water pushes it open. If the exterior drainage is being piped into an indoor sump it will be pumped away. If this property is flat, where you can't daylight the end of the drainpipe, the same setup has been installed as required.
- The vent stack runs inside the thermal envelope of the building, and terminate above the roof, at least 10' above ground, at least 2' above or 10' away (horizontally) from any opening into conditioned or occupied space in the building, or the top of the chimney. The same separation requirements apply to adjacent buildings and has been addressed where required.
- The system can be designed with or without a fan [minimum 75 cfm]. A randon test must be conducted [6.9.5], and a reading below 4 picocuries is required for occupancy of the structure. This requirement is between the contractor and owner. If a passive system (no fan) yields a reading higher than that, then the fan is added and the test redone.

By signing below, I attest that I have installed the above Installation(s) and certify that it meets all Standards and rules in accordance with ASTM E 1465-08.

_____ _____ _____

Name (Printed) Signature Date

Name of Company: _____

Address: _____ City/Town: _____ State: _____ Zip: _____