Radon Program Radon Reduction for Do-it-Yourselfers - Things to Consider

Are you willing and capable of:

- Accessing a crawl space (if your home has one) and working in that area
- Drilling holes through concrete floors or walls
- Excavating five to ten gallons of soil through a five inch diameter hole
- Cutting holes through finish floors, walls and ceilings
- Cutting and flashing roof penetrations
- Laying out vertical and horizontal runs of PVC pipe from your basement through the roof, or from the basement through an outside wall or floor perimeter
- Cutting, fitting, cleaning and gluing PVC pipe
- Wiring a simple fan connection
- Caulking and sealing work using solvent based caulks

Where an experienced radon contractor will be preferable:

- If the house has heating or air conditioning ductwork running under a slab
- If the house has a crawl space that is extremely tight to work in, or cannot be entered
- If the house has a crawl space with ductwork covered in asbestos paper or other asbestos containing materials
- If the house has a crawl space where rodents are plentiful
- If the house has an older concrete block wall foundation where the cores and block tops have not been sealed or grouted full

Where to find a list of radon contractors who are certified: call 1-800-693-5343 or

National Radon Proficiency Program – Radon Certification Program www.nrpp.info

National Radon Safety Board – Radon Certification Program www.nrsb.org

Radon Documents Online

Radon Mitigation Standards www.epa.gov/radon/pubs/mitstds.html

EPA Consumers Guide to Radon Reduction www.epa.gov/radon/pubs/consguid.html

Radon Mitigation Equipment Suppliers

Professional Discount Supply

http://www.radonpds.com/

1029 S. Sierra Madre, Suite B, Colorado Springs,

CO 80903

General Information: pdsjam@att.net Customer Support: 1-719-444-0646

Orders: 1-800-688-5776 Telephone 719-444-0646 FAX 719-442-2384

Radon Supplies NA

http://www.radonsupplies.com/ sales@radonsupplies.com 1 Eighth Street, Suite 6 Frenchtown NJ 08825 888-800-5955 908-996-0400 908-996-0707 fax

Radon Control Inc.

http://www.radoncontrol.com/ RADON CONTROL, INC. 567 Industrial Drive Carmel, IN 46032

Tel: (317) 846-7486 Fax: (317) 846-5882

email: radonsuply@aol.com

Infiltec

http://www.infiltec.com

Infiltec (Factory - Questions, Technical Support,

Orders, Repairs, Billing) 108 South Delphine Avenue

PO Box 1125

Waynesboro, VA 22980 Phone: (540) 943-2776 Fax: (540) 932-3025 Infiltec@rica.net

Radonaway

http://www.radonaway.com/ 187 Neck Rd.

Ward Hill, MA 01835

email: sales@radonaway.com Fax Number: 978-521-3964 Phone Number: 978-521-3703 support@radonaway.com

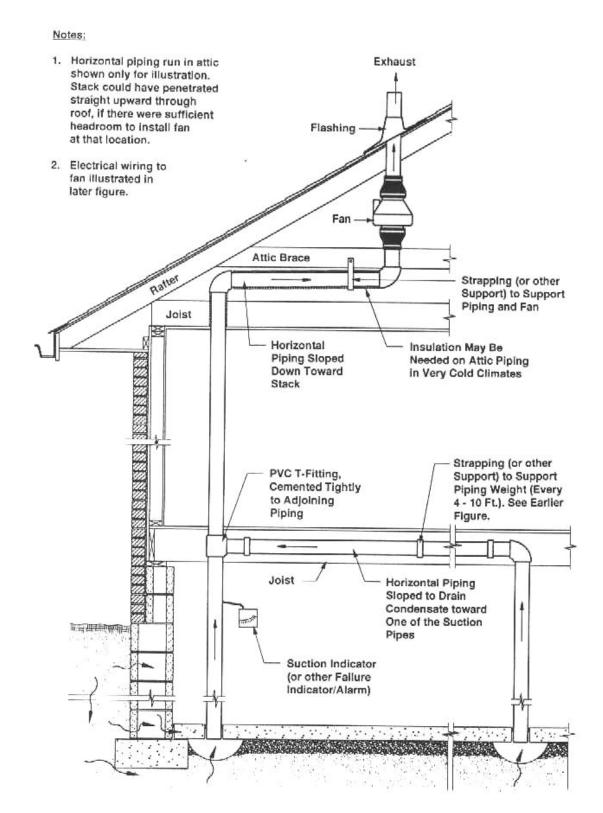
Festa Radon Technologies

http://www.festaradontech.com 634 North Ave Pittsburgh, PA

phone: 1 (800) 806-7866 fax: 1 (412) 932-0754

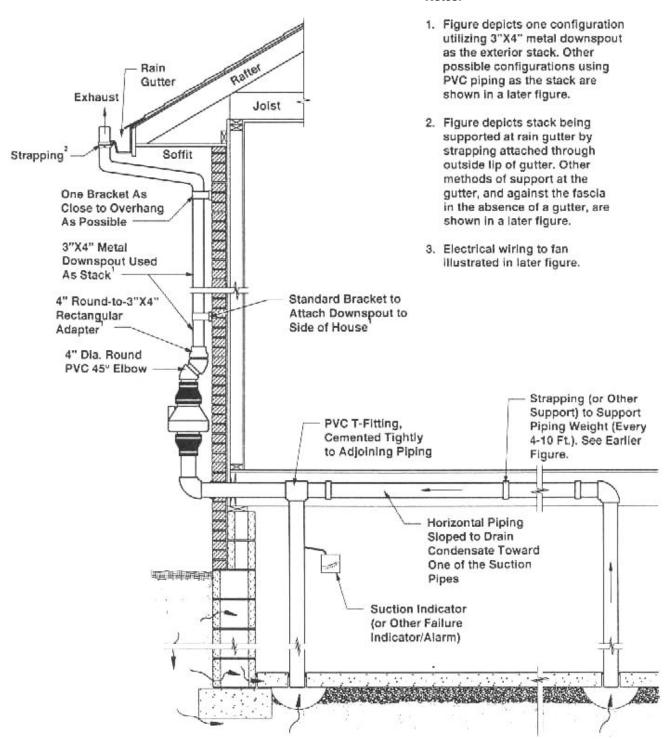
e-mail: festaradon@prodigy.net

Radon Mitigation System Drawings to Help the Do-It-Yourselfer

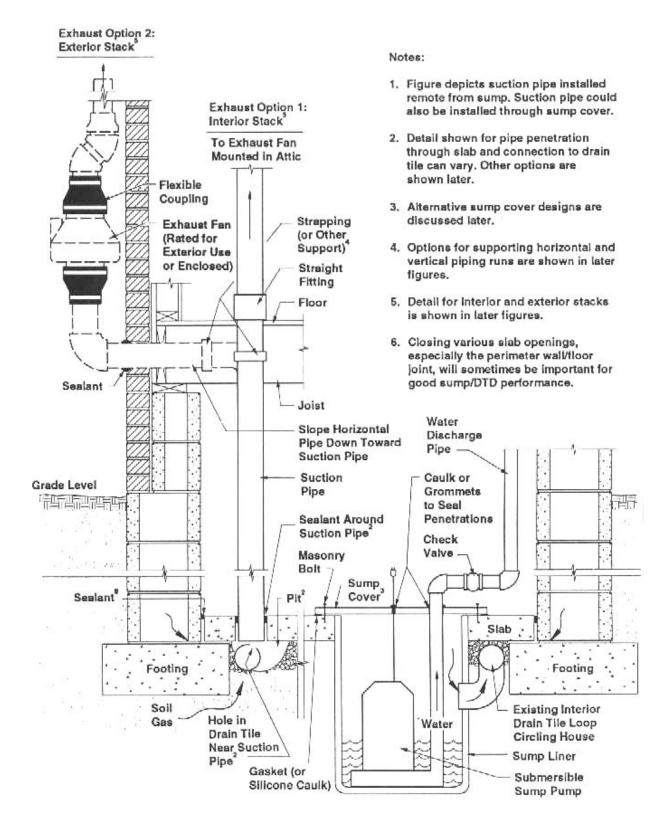


1. Sample piping system using an interior exhaust stack.

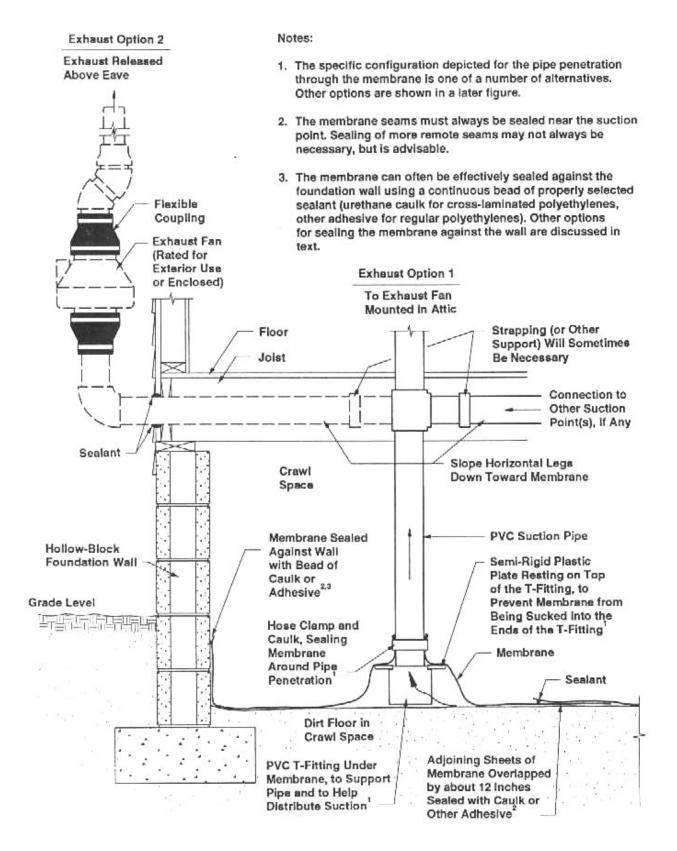
Notes:



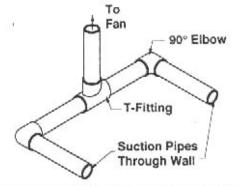
2. Sample piping system using an exterior exhaust stack.



3. Sample piping system using suction point on a interior drain tile system that feeds into a sump in the basement.



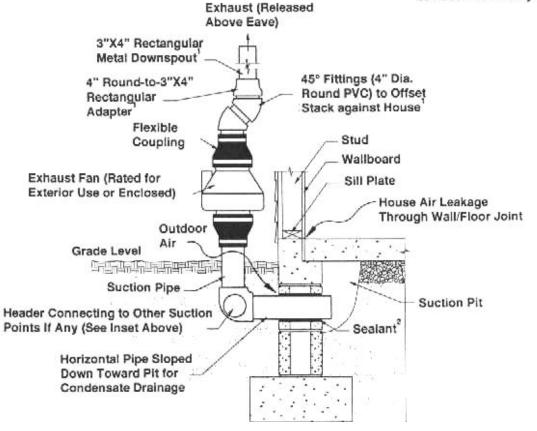
4. Crawl space system using suction under a membrane with one or more membrane penetrations.



One possible configuration for a multi-pipe system

Notes:

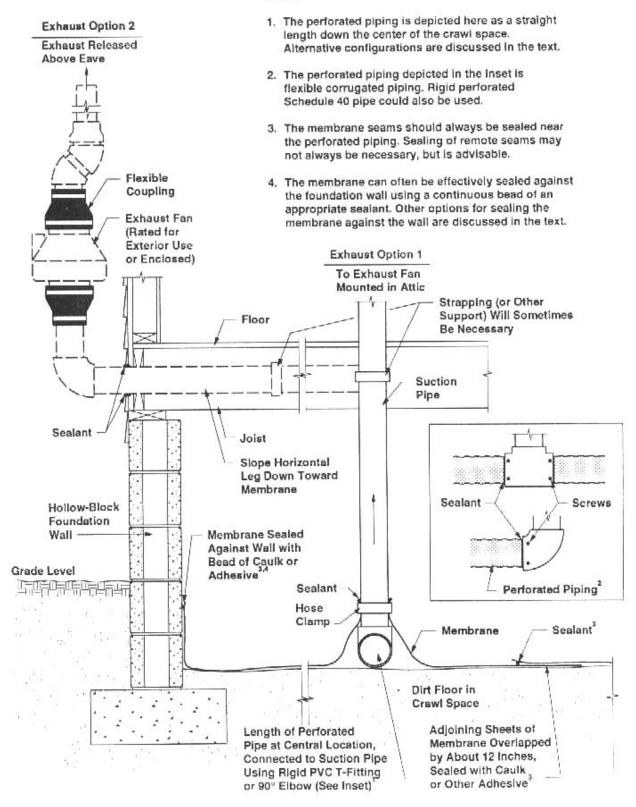
- The exterior downspout exhaust stack illustrated here is one of several possible stack configurations, as discussed later.
- Sealing pipe penetration through wall is important to reduce leakage of outdoor air and air from block cavities into SSD system.



6. A sub-slab system using pipes inserted horizontally through the foundation wall from outdoors.

Prepared by Kansas Radon Program using EPA reference documents – 3/6/03





5. Crawl space system using suction on a perforated pipe under a membrane.

Prepared by Kansas Radon Program using EPA reference documents – 3/6/03