



Madison County Government
Planning and Development Department

Madison County Planning Administration Building
157 N. Main Street Suite 254 • Edwardsville, IL 62025-1964
Phone (618) 692-7040 ext. 4468 • Fax (618) 692-8982
E-Mail zoning@co.madison.il.us

Kurt Prenzler, CPA
County Board Chairman

MADISON COUNTY BUILDING PERMIT APPLICATION FORM

PERMIT #: _____ DATE _____ ZONING _____
TOWNSHIP _____ PARCEL NO. _____
911 ADDRESS _____ CONSTRUCTION COST _____
TYPE OF IMPROVEMENT _____
OWNER _____
ADDRESS _____
CITY/STATE/ZIP _____
PHONE _____
E-MAIL ADDRESS _____
GEN. CONTRACTOR _____
ADDRESS _____
CITY/STATE/ ZIP _____
PHONE _____
E-MAIL ADDRESS _____

SAN. SEWERS Y/N _____ SEWAGE ENTITY _____
PRIVATE SEWAGE SYSTEM Y/N _____ (IF YES, COMPLETE BOX AT BOTTOM)
WATER SUPPLY ENTITY _____
UTILITY COMPANY _____
FLOOD ZONE _____ ENTRANCE PERMIT _____

PLUMBER CONTRACTOR _____ LICENSE # _____
SEW. DISPOSAL INSTALLER _____ LICENSE # _____
ROOFER _____ LICENSE # _____

SIGNATURE OF OWNER OR THE AUTHORIZED AGENT

PERMIT FEES

BLGD. FEES _____ ADDITION FEE _____
ELECTRICAL FEE _____ ACCESSORY BLGD. FEE _____
PLUMBING FEE _____ C OF O/COMPLETION FEE _____
SEW. DISPOSAL SYSTEM FEE _____ REPAIR AND ALT. FEE _____
TOTAL FEES _____

Complete for Applications that include a Private Sewage System:

Private Sewage Disposal System: New _____ Replacement _____ Modification _____
Type: Aeration _____ Sand Filter _____ Septic _____ *Lot Size _____
Size of Septic Tank: _____ Garbage Disposal (Y/N) _____
Aeration Manufacturer and Model _____
Discharge Permit (Y/N) _____ Percolation Test (Y/N) _____
(Aeration or sand filter: must fill out a discharge permit. Percolation tests for all laterals must also be submitted)
Lateral Type:
A) Gravel _____ Width _____ Lineal Feet _____
B) Chamber _____ Size _____
C) Gravelless _____ 8" _____ 10" _____

* All lots must be a minimum of 40,000 square feet per the Madison County Zoning Ordinance.



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- A) DRAW PROPERTY, MARK EXACT DIMENSIONS & SHOW ROAD (S).
- B) LOCATE BUILDINGS & SHOW DISTANCES FROM ALL PROPERTY LINES & BUILDING DIMENSIONS.
- C) INDICATE WELL AND/OR WATER LINE & DISTANCE TO CLOSEST COMPONENT OF PRIVATE SEWAGE SYSTEM.
- D) LOCATE PRIVATE SEWAGE SYSTEM & ALL COMPONENTS.
- E) INDICATE NORTH.
- F) IS THE PRIMARY USE OF THE PROPERTY AGRICULTURAL? _____? IF SO, INDICATE NUMBER OF ACRES _____.
- G) IF AERATION SYSTEM WILL BE USED, INDICATE LOCATION OF ALARM. IF USING LIFT STATIONS OR DOSING CHAMBERS, IN ADDITION TO THE ABOVE, LOCATE BOTH ALARMS. (LOCATION MUST BE UNDER ROOF).



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FLOOR PLAN: INDICATE ROOM ARRANGEMENT AND SIZE OF ROOMS: INDICATE LOCATION OF DOORS, WINDOWS AND DECKS; USE EXTERIOR DIMENSIONS.

1st FLOOR (SQ FT) _____

2nd FLOOR (SQ FT) _____

DORMERS (SQ FT OF EACH) _____

COVERED PORCHES (SQ FT OF EACH) _____

(*) ALL DECKS (SQ FT) _____

BASEMENT OR CRAWLSPACE (SQ FT) _____

NUMBER OF BEDROOMS _____

HEIGHT TO PEAK OF ROOF _____

TOTAL SQUARE FEET _____

GARAGE (SQ FT) _____

NUMBER OF SMOKE DETECTORS _____

NUMBER OF CARBON MONOXIDE DETECTORS _____
(EFFECTIVE JANUARY 1st, 2007)

(*) IF YOU INDICATE ON YOUR PLANS THAT YOU ARE INSTALLING AN OPENING FOR ACCESS TO A DECK, THE DECK WILL HAVE TO BE INDICATED ON THE PLANS AND CONSTRUCTED AS PART OF THIS PERMIT. THIS DEPARTMENT WILL NOT PERMIT AN OPENING WITH PLANS LATER FOR A DECK.

SPECIFICATION SHEET

ROOF COVERING _____
 ROOF SHEATING _____
 ROOF SLOPE _____
 SHEATING PAPER _____

ROOF RAFTERS _____ @ _____ CENTERS _____
 CEILING JOISTS _____ @ _____ CENTERS _____
 DOUBLE PLATE _____

INTERIOR WALL & CEILING FINISH _____
 WALL STUDS _____ @ _____ CENTERS _____
 WALL BOXING _____

SHEATING PAPER _____
 EXTERIOR WALL FINISH _____
 WALL BRACING & HEADERS _____

TYPE OF PLUMBING MATERIAL

COPPER K _____ L _____ M _____
 CAST IRON STANDARD _____ INDUSTRIAL _____
 PLASTIC ABS _____ PVC _____ CPVC _____
 LEAD _____

COMBINATION SUB-FLOOR & FINISH FLOOR $\frac{3}{4}$ " T & G PLYWOOD _____

FLOOR JOISTS (MAXIMUM SPANS ARE SHOWN UNLESS STRESS
 RATED MATERIAL IS USED) CHECK WHAT APPLIES:
 2 X 8 _____ 2 X 10 _____ 2 X 12 _____
 (12' 2" SPAN) (15' 6" SPAN) (18' 8" SPAN)
 ALL ON 16" CENTERS BAND _____

PLATE _____
 TERMITE SHIELD (METAL) _____
 ANCHOR BOLTS $\frac{1}{2}$ " @ 6' CENTERS _____
 FOUNDATION _____

WATER PROOFING _____
 FOUNDATION FROST LINE DEPTH MINIMUM 32" PLUS FOOTINGS _____
 CRAWL SPACE _____ GROUND LEVEL _____
 CONCRETE FLOOR _____
 FOOTINGS _____
 NOTE: $\frac{1}{2}$ " DOWEL BARS MAY BE USED IN LIEU
 OF DOVE TAILS AS SHOWN

RE: FOOTINGS: SINGLE STORY 8" X 16" MINIMUM
 TWO STORY 10" X 20" MINIMUM
 RE: FROST WALLS: ALL WALKOUT BASEMENTS SHALL HAVE
 A MINIMUM OF 16" X 40" FROST WALL

COMPLETE THIS SECTION
 FOR POLE BARN ONLY:

How many poles?

How far apart?

Wall girts: 2x4 or 2x6 ?

Roof perlings: 2x4 or 2x6 ?

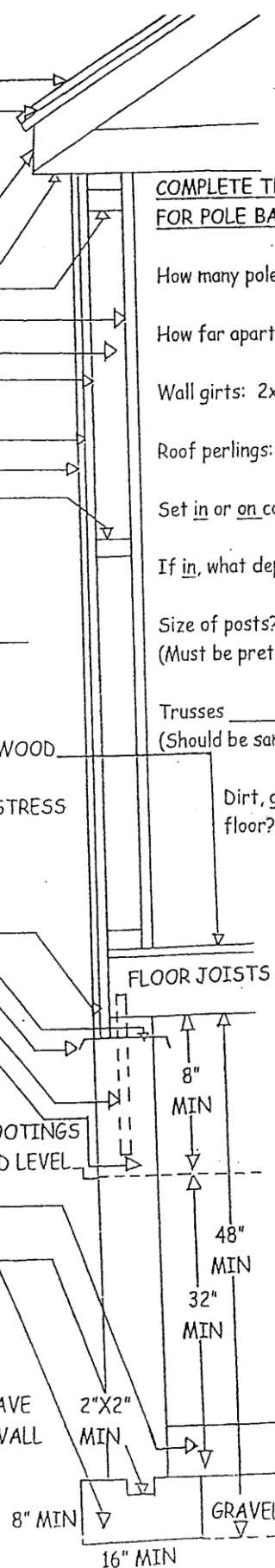
Set in or on concrete?

If in, what depth?

Size of posts?
 (Must be pretreated)

Trusses _____ @ _____ centers.
 (Should be same span as posts)

Dirt, gravel or concrete
 floor?





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OUTLET LOCATION PERMIT

Applicant Information

Property Owner _____

Present Address _____

New Address _____

Telephone _____ Township _____

E-mail Address _____

Parcel Number _____

Location (if address is not marked on properly) _____

New Residence _____ Replacement _____ Modification _____

Cost of System \$ _____ Number of Bedrooms _____

System Information

Type of System: Sand Filter _____ Aeration _____

Tank Size _____ Absorption Trench Size _____ (150 Sq. Ft. Minimum)

Licensed Installer _____ License # _____

Distributor _____

Building Permit # _____ Date Issued _____

Discharge Information (See information sheet for minimum requirements)

Size of Lot _____ (Must be a minimum of 40,000 sq. ft. of property)

Type of Discharge:

Same Lot _____ Common Lot _____ Receiving Stream, Lake or Pond _____

Distance of Discharge from: Well _____ Dwelling _____ Property Line _____

Distance of discharge from discharges on adjoining properties: (Minimum of 235):

Number of systems proposed for a common line _____

Address of other systems on a common line _____

Applicant & Date

Approved By & Date

Effective Date February 10, 2014

Building Permit # _____

By signing below I confirm that my surface discharging private sewage disposal system does not discharge to Waters of the United States. I understand that obtaining a NPDES permit from the E.P.A. is required when private sewage systems discharge to Waters of the United States. USEPA's regulation at 40 C.F.R. § 122.2 defines Waters of the United States.

I certify that the attached information is correct and complete and that, if approved, that all installation work and the use of the private sewage system, including the maintenance will comply with the requirements included in the State of Illinois Private Sewage Installation Code.

Effective Date January 1, 2014

905.20 General Requirements

q) Maintenance of Private Sewage Disposal Systems

1) After January 1, 2014, as a condition of applying for an installation approval required by Section 905.190, the signature by the property owners on the installation approval submission/construction permit for any private sewage disposal system being installed, repaired or renovated serves as written acknowledgement that the property owners are aware of and accept the responsibility to service and maintain the private sewage disposal system in accordance with the Act and this Part.

4) A failure to properly operate, maintain and have routine service conducted on a private sewage disposal system is a violation of the Act and this Part.

Section 905.110 Effluent Discharges may be discharged to:

3) The ground surface, where the discharge points of private sewage disposal systems with surface discharges do not exceed an average of one per acre and the effluent does not pond or create a nuisance condition

I / We have reviewed and agree to the above maintenance and N.P.D.E.S. requirements.

Property Owner(s) : _____ Date _____

Property Owner(s) : _____ Date _____

PLEASE FAX A COPY OF THIS SHEET TO Adam Walden @ 618-692-7049



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**MADISON COUNTY EMERGENCY TELEPHONE SYSTEM BOARD
ADDRESS REQUEST FORM**

BEFORE OBTAINING A 9-1-1 ADDRESS THE FOLLOWING REQUIREMENTS MUST BE MET

1. A PARCEL I.D. NUMBER FOR THE PROPERTY IN QUESTION MUST BE FURNISHED.
2. IF THE PROPERTY TO BE ADDRESSED IS ON A PARCEL OF TWO ACRES OR MORE, THE EXACT LOCATION OF THE BUILDING TO BE ERRECTED MUST BE INDICATED. ALSO, THE POINT OF ACCESS TO THE BUILDING MUST BE INDICATED.

DEPENDING ON THE LOCATION OF THE PROPERTY IN QUESTION, IT MAY TAKE UP TO TEN WORKING DAYS TO COMPLETE THE ADDRESSING (SUBDIVISIONS UP TO THREE (3) WEEKS.

AFTER ALL REQUIREMENTS HAVE BEEN MET, A CONFIRMATION LETTER WILL BE MAILED TO THE PROPERTY OWNER AT THEIR CURRENT ADDRESS.

.....
TYPE OR PRINT THE FOLLOWING INFORMATION

PROPERTY OWNER'S NAME _____

PROPERTY OWNER'S ADDRESS _____

TELEPHONE NUMBER _____

E-MAIL ADDRESS _____

PARCEL I.D. NUMBER _____

PERSON SUBMITTING FORM (IF DIFFERENT FROM ABOVE):

NAME _____ ADDRESS _____

CITY, STATE & ZIP _____

.....
FOR OFFICE USE ONLY

NEW ADDRESS _____

FIRE DISTRICT _____

POST OFFICE _____

PERMIT NUMBER _____ ESN _____



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Erosion and Sediment Control Residential Application

Permit Number: _____

Contractor: _____	Property Owner: _____
Address: _____	Address: _____
City/State/Zip: _____	City/State/Zip: _____
Phone: _____	Phone: _____
E-mail: _____	E-mail: _____
Subdivision Name: _____	Site Address: _____
Lot Number: _____	City/Township: _____
Zoning: _____	Parcel Number(s): _____
	Location: _____

Description of proposed development: _____

Size of Site (Acres or S.F.): _____

Total Proposed Square Footage of Impervious Surface: _____

Total Proposed Square Footage of Land Disturbing Activity: _____
(i.e., clearing, grading, stripping, excavation, fill etc.)

Is any portion of the land disturbing activity within 25 feet of a river, lake, pond, stream, sinkhole, or wetland? _____

Zoning Classification: _____

Brief Description of Proposed Sediment and Erosion Control System: _____

Signature

Date



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Erosion and Sediment Control Permit- Residential Permit Rules and Inspection Requirements

THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES AND INSPECTION PROCEDURES MUST BE FOLLOWED FOR RESIDENTIAL PERMITS:

Erosion and Sediment Control Measures:

1. Erosion and Sediment Control measures must be installed prior to the initial grading or clearing activity. All subsequent grading activities including rough and final grading also may not proceed unless erosion control measures have been installed.
2. All property lines adjacent to an improved tract of land, where water sheet flows off of the property, and all property lines adjacent to a street, must be seeded and mulched immediately after the initial grading or clearing. Temporary vegetation shall be established using the seeding rates in the attached brochure. The width of the seeding/mulching must be at least eight feet in width. Temporary vegetation must be established in these areas as soon as the seasonal weather permits. If cut and fill operations occur during a season not favorable for immediate establishment of permanent ground cover, a fast germinating annual such as rye grasses or sudan grasses shall be utilized to retard erosion. Where existing vegetation is not disturbed in sufficient width to prevent the release of sediment from the site, then temporary seeding and mulching will not be required in these locations (provided, however, that siltation control structures continue to be provided in locations where stormwater flows leave the site – See #3)
3. Siltation fences or straw bales must be properly installed in all areas where water sheet flows from the lot onto another piece of property or to a natural drainage way.
4. In areas where erosion siltation fencing or straw bales are not adequate due to the volume of rain water running through the location, other erosion control devices such as earth ridge diversion berms must be used.
5. Siltation and Erosion Control devices shall be installed following the attached diagrams
6. A temporary rocked driveway must be installed for vehicles entering and leaving the site. The rocked drive must be a minimum of 4 inches deep. All delivery and work vehicles must utilize the rocked area to avoid dirt and mud being tracked onto the street.
7. When dirt or mud has washed onto the street, it is the applicants responsibility to immediately remove the dirt.
8. Erosion Control measures must be maintained. All building inspections will include an inspection of the erosion and sediment control measures. If the measures are not properly installed, or are not functioning, the building inspection will be denied. Continued failure to comply with these restrictions may result in a stop work order being placed on the construction activity.
9. When clearing and/or grading operations are completed or suspended for more than 30 days, all necessary precautions shall be taken to retain soil materials on site. Protective measures may be required by the Planning & Development Administrator such as permanent seeding, periodic wetting, mulching, or other suitable means.
10. Temporary siltation control measures (structural) shall not be removed until permanent final vegetation is established at a sufficient density to provide erosion control on the site.
11. All lots shall be seeded and mulched at the minimum permanent rates defined below or sodded before an occupancy permit is issued except that a temporary occupancy permit may be issued by the Madison County Planning & Development Department in cases of undue hardship because of unfavorable ground conditions. Permanent seeding rates: Tall Fescue- 6.9 lbs. per 1000 square feet; Smooth Brome- 4.6 lbs. per 1000 S.F.; Combined: Tall Fescue 3.4 lbs. per 1000 S.F. – and Smooth Brome – 2.3 lbs. per 1000 S.F.
12. Additional siltation control may be required as deemed necessary by the County of Madison.



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Erosion and Sediment Control Permit Rules and Inspection Requirements

Inspections: Notify the Madison County Planning & Development Department 48 hours prior to the commencement of grading and/ or prior to the commencement of construction.

Inspections of all erosion control measures must occur.

The permittee shall notify the Building and Zoning Inspector within two (2) working days of the completion of the construction stages specified below:

1. Upon completion of installation of the erosion and sediment control measures prior to proceeding with any other earth disturbance or grading,
2. After stripping and clearing,
3. After rough grading,
4. After final grading,
5. After seeding or sodding, and
6. After final stabilization and landscaping, prior to removal of sediment controls.

Please provide the building permit number when notifying the Building Inspector of the completion of each task above.

Expiration of Permit: Every Soil and Erosion Control Permit shall expire and become null and void if the work authorized by such permit has not been commenced within one hundred and eighty (180) days, or if not completed by a date which shall be specified in the permit; except that the Planning & Development Administrator may, if the permittee presents satisfactory evidence that unusual difficulties have prevented work being commenced or completed within specified time limits, grant a reasonable extension of time if written application is made before the expiration date of the permit.

Certification:

I have read the above rules and inspection requirements and agree to abide by them, as well as any other requirement of the Madison County Soil Erosion and Sediment Control Ordinance.

Applicant

Date



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Soil and Erosion Control Site Plan

Include the following Information:

1. North Arrow
2. Dimensions of Lot
3. Footprint of House
4. Location and Name of Street(s)
5. Area where vegetation will be stripped
6. Location and Description of Erosion Control Measures
7. Draw arrows indicating where water runs off of the property
8. Location of temporary rock drive way
9. Indicate adjoining Land Uses

Approved by: _____

Date: _____

Erosion and Sediment Control Diagrams, Examples, and Brochures

EROSION CONTROL FOR HOME BUILDERS

SOIL EROSION IS A SERIOUS AND EXPENSIVE PROBLEM IN MADISON COUNTY

Soil erosion and sedimentation go hand-in-hand. Both are serious problems to lot owners and the community in general. Erosion removes topsoil and creates gullies greatly increasing the cost of establishing grass.

Sediment that leaves a construction site clogs roads, fills culverts, storm sewers, road ditches and chokes vegetation. Sediment also pollutes streams, rivers and lakes. It spoils wildlife and fish habitat. Sediment is expensive to remove once it has settled in the bottom of a lake.

Lot owners can have a significant effect on the water quality of our community

HOW MUCH SOIL EROSION OCCURS FROM A BUILDING LOT?

The following information provides some low cost, practical methods that a lot owner can use to minimize the erosion and resulting sedimentation that results from the development of a parcel of land.

In our area, a moderately sloping lot that has been stripped of vegetation and left bare from March through October while building is going on, can expect to lose about 5 to 15 tons of soil due to erosion. The soils we have in Madison County are high in clay and silt content. They erode very easily. When soils erode, the silt portion of the soil settles out in roads, ditches, ponds and lakes. The clay particles stay in suspension and can cause a body of water to appear brown and muddy.

This valuable top soil, when in place is the foundation for the lawn and other plantings. When eroded this sediment is now a serious pollutant.

The first rule of erosion control is to keep the time the lot is void of vegetation to a minimum. Insist that your builder only disturb the least amount of area as possible at any given time.

It is not uncommon for building lots to experience over 15 tons of soil loss to erosion during the home building phase.

**MADISON COUNTY SOIL
AND WATER
CONSERVATION
DISTRICT**

P.O. Box 482
7205 Marine Road
Edwardsville, IL. 62025

Phone: 618-656-5166

Phone: 618-656-5166

Fax 618-656-5187

DOWNSPOUT EXTENDERS

As soon as gutters and downspouts are in place, extensions of the downspouts should be installed. These should extend to a grass or paved area in order to minimize erosion. They can be removed once the lawn is established.

WHERE TO GET HELP

Minimizing soil erosion is much more cost effective than catching sediment as the soil washes off of a building site.

Keeping soil on construction sites is vastly cheaper than cleaning up the sediment caused by soil erosion. When sediment is allowed to run off construction sites the community bears the burden of cleaning up the choked streams, culverts, ditches, lakes and ponds.

The methods covered here have proved to be effective in many communities throughout Illinois.

For more information about erosion control methods and sediment pollution control methods for building sites contact:

Controlling soil erosion is one of the most positive environmental actions a homeowner can do.

The Madison County Soil and Water Conservation District or the
U.S. Department of Agriculture, Natural Resources Conservation Service
7205 Marine Road
Edwardsville, IL. 62025

phone 656-5166

TEMPORARY SEEDING AND MULCHING

The most cost effective method to control erosion is to quickly establish a temporary seeding with an adequate mulch.

Vegetative methods of erosion control are the least expensive and usually the most effective. Establishing grass protects the soil from the impact of falling rain and holds the soil in place. Temporary seeding and mulch provide a quick cover to control erosion before the final grading and landscaping has occurred.

SEEDING

An adequate seed bed should be prepared first by raking or roto-tiling. Here are some good mixtures to establish a temporary seeding.

Species	Rate per 1000 sq. ft.	Seeding Dates
Oats	3 pounds	Early Spring - July 1
Cereal Rye	3 pounds	Early Spring - Oct. 15
Wheat	3 pounds	Early Spring - Oct. 15
Perennial Ryegrass	6 pounds	Early Spring - Oct. 15

MULCHING

Mulch provides immediate erosion control and should be applied any time during the year.

The seed should also be applied with an adequate cover of mulch. The mulch acts as an immediate barrier to protect the soil as the grass is getting established. It is the single most important measure a lot owner should do to control erosion.

Straw is the most widely used mulch. It should be applied at a rate of about 90 pounds per 1000 square feet. Straw can be applied by hand or applied mechanically by use of a straw blower.

The straw must be anchored by one of the following methods:

- ♦ Mulch anchoring tool such as a crimper or disc
- ♦ Plastic mulch netting, properly stapled in place.
- ♦ Liquid mulch binder
- ♦ As an alternative to these, water can be applied to keep the mulch in place

Another type of mulch are erosion control blankets. These are prefabricated rolls of natural or synthetic fiber material that is sandwiched between permanent or degradable netting. Strips of the blanket are rolled down the hill and anchored to the soil with degradable staples.

SEDIMENT CONTROL BY USE OF SILT FENCE

Silt fences are a type of sediment filter. They are installed around the perimeter of a construction site and around the inlets to storm sewers. Their purpose is to remove sediment from the runoff water leaving the site. When installed properly they can remove about 40% of the silt from the water. Silt fences are a mesh fabric that allows water to pass through it but retains some of the silt.

Here are some of the factors that go into a successful installation:

Silt fences can be effective as a sediment retention device.

- ◆ The lower end of the mesh fiber should be trenched into the ground about 8 inches.
- ◆ Wooden stakes should support the fence and should be installed every 5 feet.
- ◆ They should not be used where water will concentrate into a gully.
- ◆ Silt fence should be installed prior to soil disturbance.

STRAW BALES AS A METHOD TO CATCH SEDIMENT

As a last resort, straw bales can be installed to catch some sediment from a construction site. Straw bales are not effective methods and frequently fail. However, if properly installed and maintained, they can offer some sediment retention for a limited time.

Here are some tips to properly install straw bales.

A row of straw bales if installed properly, can trap a small amount of sediment. They should be used as a last resort only.

- The bales should be placed in a single row, with the ends tightly butted together.
- The row of bales should extend upslope far enough so the trapped sediment laden water cannot flow around the ends of the barrier.
- The barrier should be trenched into the ground about 4 inches to prevent water from running under the bales.
- The row of bales should be backfilled with soil to further prevent water from running under or around the row of bales.

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Edwardsville, IL. 62025

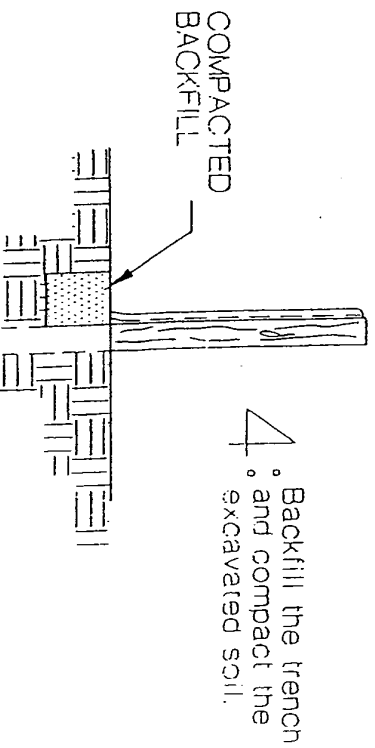
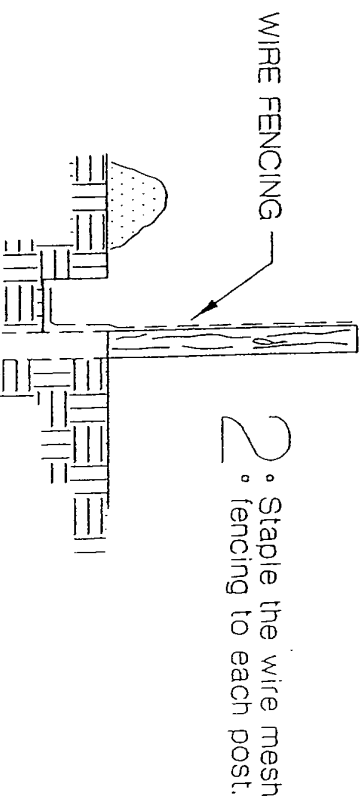
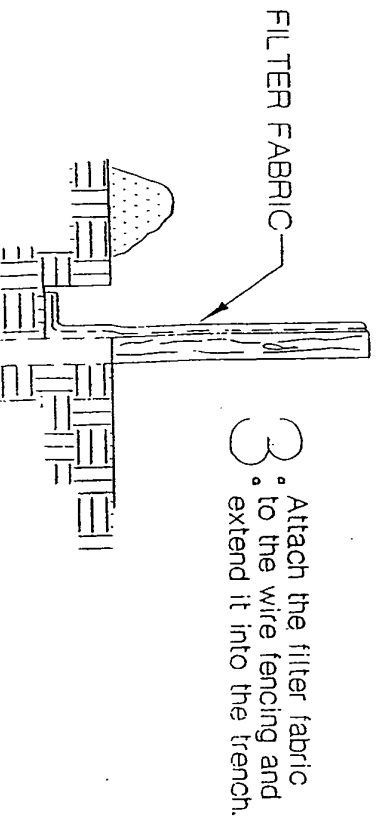
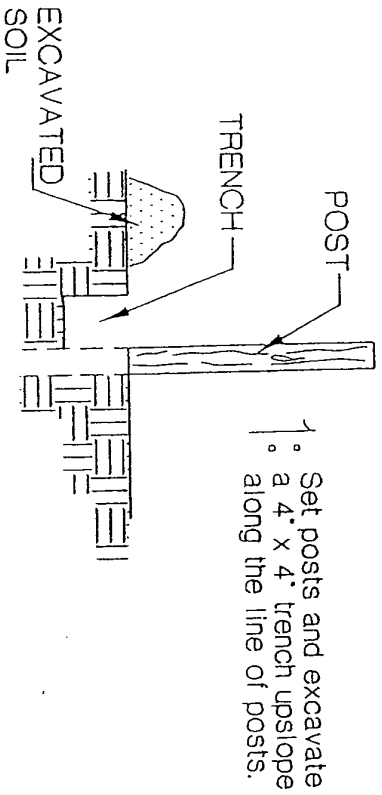
phone 656-5166

Maintenance:

1. Filter barriers shall be inspected immediately after each rainfall and at least daily during periods of prolonged rainfall. Any required repairs shall be made immediately.
2. Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced immediately.
3. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required, shall be addressed to conform with the existing grade, prepared and seeded.

Synthetic Filter Barriers

For Urban Development Sites





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SPECIFICATION SHEET FOR SWIMMING POOLS AND DECKS

SWIMMING POOL MATERIALS:

ABOVE GROUND OR IN GROUND POOL: _____

ARE THERE OVERHEAD WIRES DIRECTLY OVER THE POOL? _____

OVAL, RECTANGULAR OR ROUND IN SHAPE: _____

SIZE OF POOL: _____

DEPTH OF POOL: _____

EXTERIOR OF POOL: _____

LINER OF POOL: _____

IF YOU ARE INSTALLING AN ABOVE-GROUND SWIMMING POOL, WILL YOU BE USING A REMOVABLE LADDER OR ONE THAT FOLDS UPWARD AND CAN BE SECURED? _____

IF YOU ARE INSTALLING AN IN-GROUND SWIMMING POOL, A FENCE IS REQUIRED TO BE AROUND THE POOL THAT HAS A SELF-CLOSING GATE WITH A SELF-LOCKING DEVICE. WILL YOU BE USING THIS? _____

DECK MATERIALS

WIDTH OF PIERS: _____

DEPTH OF PIERS: _____

SIZE OF POSTS: _____

HOW MANY POSTS WILL BE USED: _____

SIZE OF FLOOR JOISTS BEING USED: 2 X 6 2 X 8 2 X 10 2 X 12

DECKING MATERIAL: _____

RAILING MATERIAL: _____
(36" HEIGHT MINIMUM ON RAILINGS AND 4" MAXIMUM SPAN BETWEEN SPINDLES IS REQUIRED).



Madison County Planning & Development
157 N Main Street Suite 254
Edwardsville, IL 62025
(618) 296-4468 Fax (618) 692-8982
Email: zoning@co.madison.il.us

2009 INTERNATIONAL ENERGY CONSERVATION CODE

Effective Immediately

The State of Illinois is requiring the enforcement of the International Energy Conservation Code (IECC), which regulates minimum energy conservation requirements for new commercial and residential structures.

In order to enforce IECC, Madison County is requiring the submission of detailed construction documents and other supporting data with each application for all commercial construction and newly-built residential structures. These documents must be prepared by a design professional.

The applicant is also required to complete the applicable COMcheck or REScheck form in order to demonstrate compliance with the code. The forms must be filled-out online then submitted with the application. Forms can be found at <http://www.energycodes.gov> at the COMcheck and REScheck links. Also, note that Madison County is located in Climate Zone 4 as indicated on Figure 301.1 and Table 402.1 of the IECC.

Two (2) sets of construction documents are required with each application. One set of plans will remain on file with the department for a period of at least seventeen months after the final inspection is completed. The other set of plans is to be available on the construction site during all construction activity.

Please also be advised that there will be a minimum review period of seventy-two (72) hours for each application.

Insulation and Fenestration Requirements by Component

Climate Zone	Fenestration U-Factor	Skylight U-Factor	Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value & Depth	Crawl Space Wall R-Value
1	1.2	0.75	0.4	30	13	3	13	0	0	0
2	0.65	0.75	0.4	30	13	4	13	0	0	0
3	0.5	0.65	0.4	30	13	5	19	5/13	0	5/13
*4(excluding Marine)	0.35	0.6	NR	38	13	5	19	10/13	10.2 ft	10/13
5(including Marine)	0.35	0.6	NR	38	20 or 13-5"	13	30	10/13	10.2 ft	10/13
6	0.35	0.6	NR	49	20 or 13-5"	15	30	15/19	10.4 ft	10/13
7&8	0.35	0.6	NR	49	21	19	38	15/19	10.4 ft	10/13

*minimum

Source: IECC 2009 Table 402.1.1

Passive Radon Control System for New Construction

Architectural Drawings of:

- 1) Passive radon control system**
- 2) Crawlspace radon control system**
- 3) Additional fan for active system**

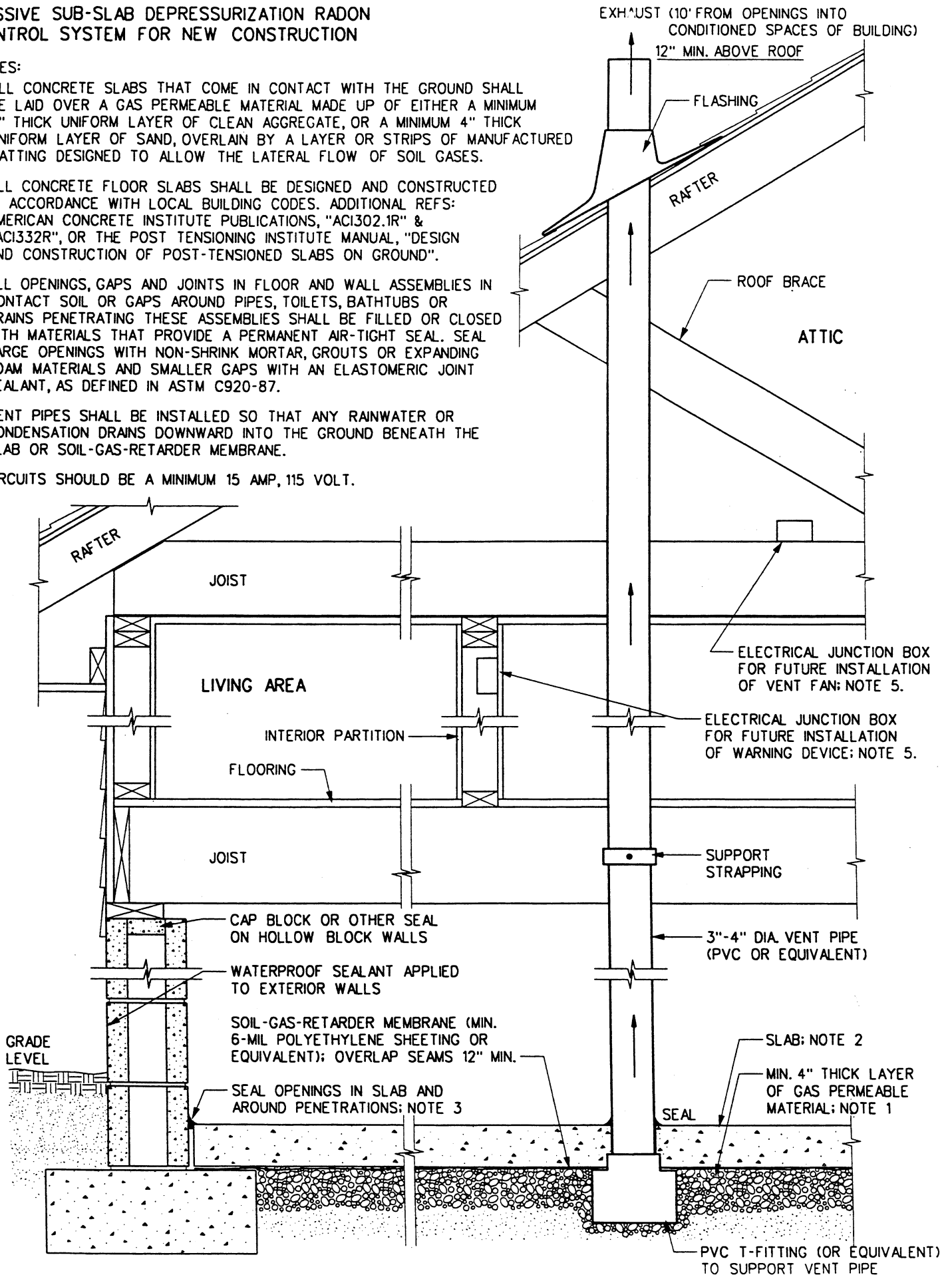
for one and two -family dwellings

These architectural drawings are intended for use by architects, home builders, designers, radon mitigators and others interested in the installation of passive radon control systems in one and two -family dwellings. For more information on radon and radon-resistant new construction call 1-800-55RADON or see the EPA web page:
www.epa.gov/iaq

PASSIVE SUB-SLAB DEPRESSURIZATION RADON CONTROL SYSTEM FOR NEW CONSTRUCTION

NOTES:

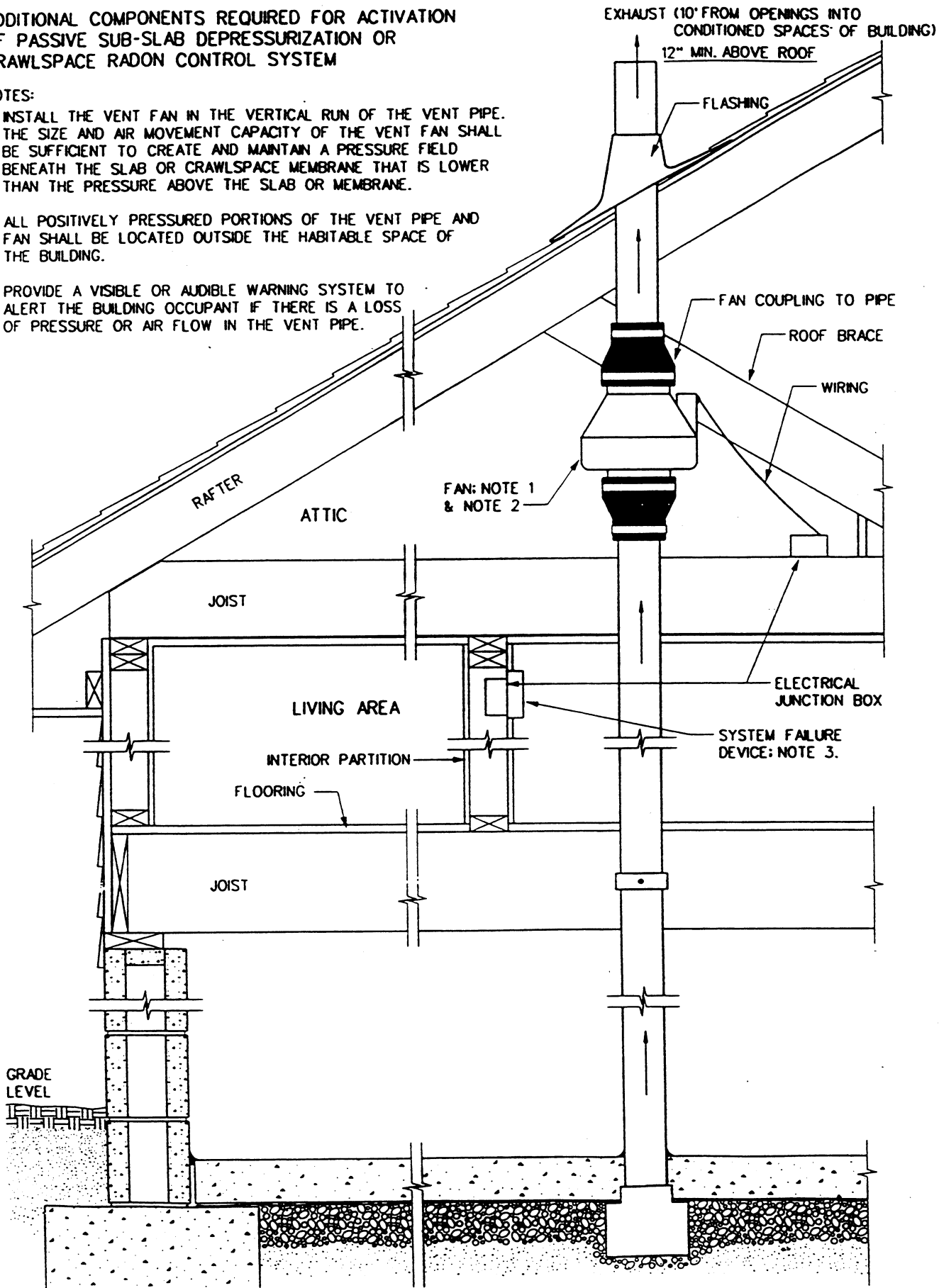
1. ALL CONCRETE SLABS THAT COME IN CONTACT WITH THE GROUND SHALL BE LAID OVER A GAS PERMEABLE MATERIAL MADE UP OF EITHER A MINIMUM 4" THICK UNIFORM LAYER OF CLEAN AGGREGATE, OR A MINIMUM 4" THICK UNIFORM LAYER OF SAND, OVERLAIN BY A LAYER OR STRIPS OF MANUFACTURED MATTING DESIGNED TO ALLOW THE LATERAL FLOW OF SOIL GASES.
2. ALL CONCRETE FLOOR SLABS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL BUILDING CODES. ADDITIONAL REFS: AMERICAN CONCRETE INSTITUTE PUBLICATIONS, "ACI302.1R" & "ACI332R", OR THE POST TENSIONING INSTITUTE MANUAL, "DESIGN AND CONSTRUCTION OF POST-TENSIONED SLABS ON GROUND".
3. ALL OPENINGS, GAPS AND JOINTS IN FLOOR AND WALL ASSEMBLIES IN CONTACT SOIL OR GAPS AROUND PIPES, TOILETS, BATHTUBS OR DRAINS PENETRATING THESE ASSEMBLIES SHALL BE FILLED OR CLOSED WITH MATERIALS THAT PROVIDE A PERMANENT AIR-TIGHT SEAL. SEAL LARGE OPENINGS WITH NON-SHRINK MORTAR, GROUTS OR EXPANDING FOAM MATERIALS AND SMALLER GAPS WITH AN ELASTOMERIC JOINT SEALANT, AS DEFINED IN ASTM C920-87.
4. VENT PIPES SHALL BE INSTALLED SO THAT ANY RAINWATER OR CONDENSATION DRAINS DOWNWARD INTO THE GROUND BENEATH THE SLAB OR SOIL-GAS-RETARDER MEMBRANE.
5. CIRCUITS SHOULD BE A MINIMUM 15 AMP, 115 VOLT.



ADDITIONAL COMPONENTS REQUIRED FOR ACTIVATION OF PASSIVE SUB-SLAB DEPRESSURIZATION OR CRAWLSPACE RADON CONTROL SYSTEM

NOTES:

1. INSTALL THE VENT FAN IN THE VERTICAL RUN OF THE VENT PIPE. THE SIZE AND AIR MOVEMENT CAPACITY OF THE VENT FAN SHALL BE SUFFICIENT TO CREATE AND MAINTAIN A PRESSURE FIELD BENEATH THE SLAB OR CRAWLSPACE MEMBRANE THAT IS LOWER THAN THE PRESSURE ABOVE THE SLAB OR MEMBRANE.
2. ALL POSITIVELY PRESSURED PORTIONS OF THE VENT PIPE AND FAN SHALL BE LOCATED OUTSIDE THE HABITABLE SPACE OF THE BUILDING.
3. PROVIDE A VISIBLE OR AUDIBLE WARNING SYSTEM TO ALERT THE BUILDING OCCUPANT IF THERE IS A LOSS OF PRESSURE OR AIR FLOW IN THE VENT PIPE.



PASSIVE RADON CONTROL SYSTEM IN CRAWL SPACE FOR NEW CONSTRUCTION

NOTES:

1. INSTALL A LENGTH OF 3" OR 4" DIAMETER PERFORATED DRAIN TILE HORIZONTALLY BENEATH THE SHEETING AND CONNECT TO THE "T" FITTING WITH THE VERTICAL STANDPIPE THROUGH THE SOIL-GAS-RETARDER MEMBRANE. THIS HORIZONTAL PIPE SHOULD NORMALLY BE PLACED PARALLEL TO THE LONG DIMENSION OF THE HOUSE AND SHOULD EXTEND NO CLOSER THAN 6 FEET TO THE FOUNDATION WALL.
2. VENTILATE CRAWLSPACES IN CONFORMANCE WITH LOCAL CODES; VENTS SHALL BE OPEN TO THE EXTERIOR AND BE OF NONCLOSEABLE DESIGN.
3. CIRCUITS SHOULD BE A MINIMUM 15 AMP, 115 VOLT.

