

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.

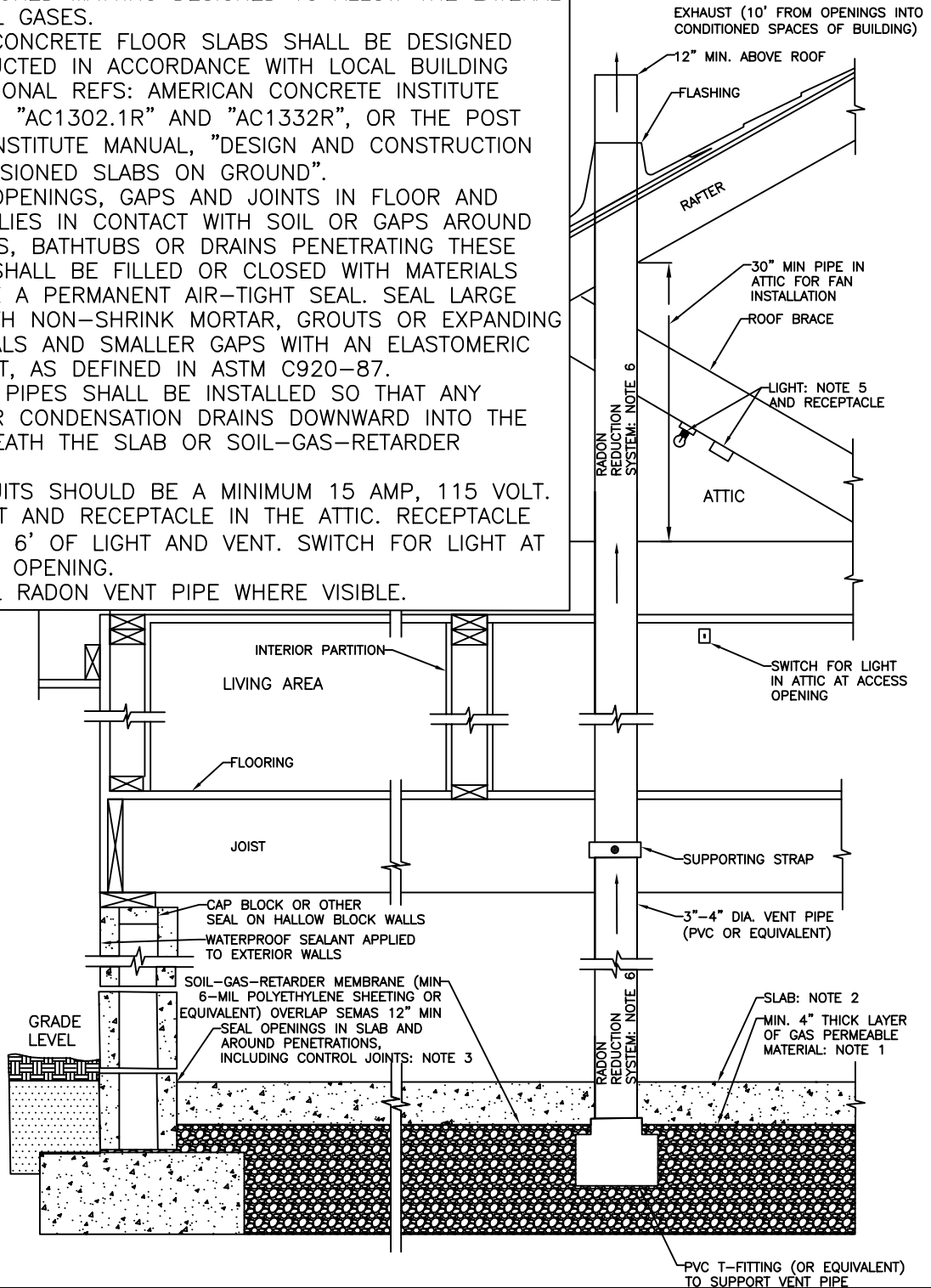
2. ALL CONCRETE FLOOR SLABS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL BUILDING CODES. ADDITIONAL REFS: AMERICAN CONCRETE INSTITUTE PUBLICATIONS, "AC1302.1R" AND "AC1332R", OR THE POST TENSIONING INSTITUTE MANUAL, "DESIGN AND CONSTRUCTION OF POST-TENSIONED SLABS ON GROUND".

3. ALL OPENINGS, GAPS AND JOINTS IN FLOOR AND WALL ASSEMBLIES IN CONTACT WITH 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. PROVIDE LIGHT AND RECEPTACLE IN THE ATTIC. RECEPTACLE TO BE WITHIN 6' OF LIGHT AND VENT. SWITCH FOR LIGHT AT ATTIC ACCESS OPENING.

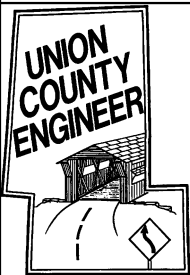
6. LABEL RADON VENT PIPE WHERE VISIBLE.



TITLE: PASSIVE RADON CONTROL SYSTEM IN BASEMENTS FOR NEW SINGLE FAMILY HOME CONSTRUCTION

DATE: DECEMBER 2014

DRAWING NO:



NOTES:

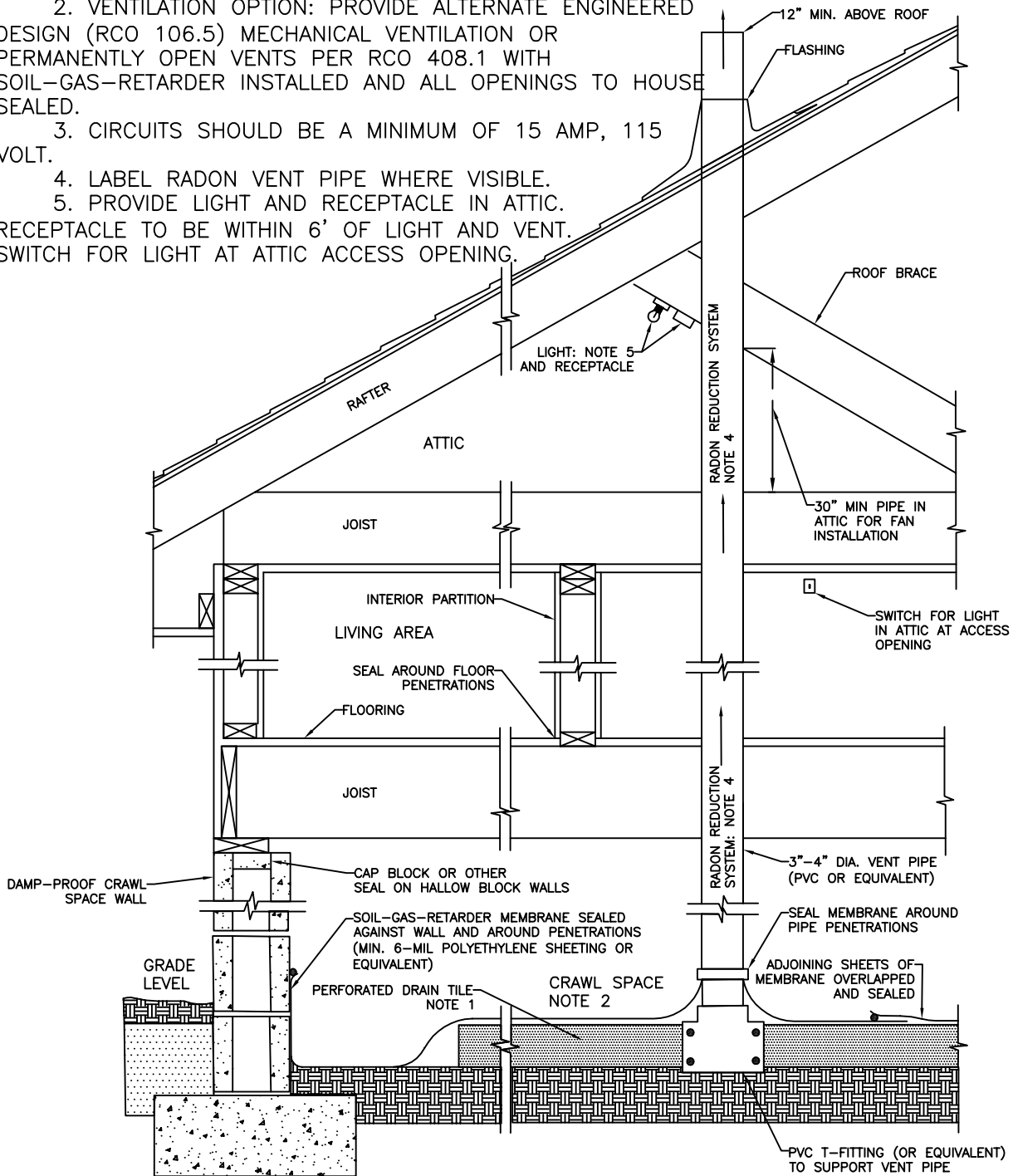
1. INSTALL A LENGTH OF 3" OR 4" DIAMETER PERFORATED DRAIN TILE HORIZONTALLY BENEATH THE SHEETING AND CONNECT TO THE "T" FITTING WITH THE VERTICAL STAND PIPE THROUGH THE SOIL-GAS-RETARDER MEMBRANE.

2. VENTILATION OPTION: PROVIDE ALTERNATE ENGINEERED DESIGN (RCO 106.5) MECHANICAL VENTILATION OR PERMANENTLY OPEN VENTS PER RCO 408.1 WITH SOIL-GAS-RETARDER INSTALLED AND ALL OPENINGS TO HOUSE SEALED.

3. CIRCUITS SHOULD BE A MINIMUM OF 15 AMP, 115 VOLT.

4. LABEL RADON VENT PIPE WHERE VISIBLE.

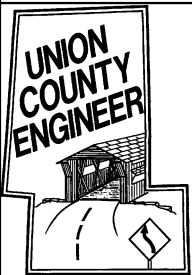
5. PROVIDE LIGHT AND RECEPTACLE IN ATTIC. RECEPTACLE TO BE WITHIN 6' OF LIGHT AND VENT. SWITCH FOR LIGHT AT ATTIC ACCESS OPENING.



TITLE: PASSIVE RADON CONTROL SYSTEM IN CRAWL SPACE FOR NEW SINGLE FAMILY HOME CONSTRUCTION

DATE: DECEMBER 2014

DRAWING NO:



NOTES:

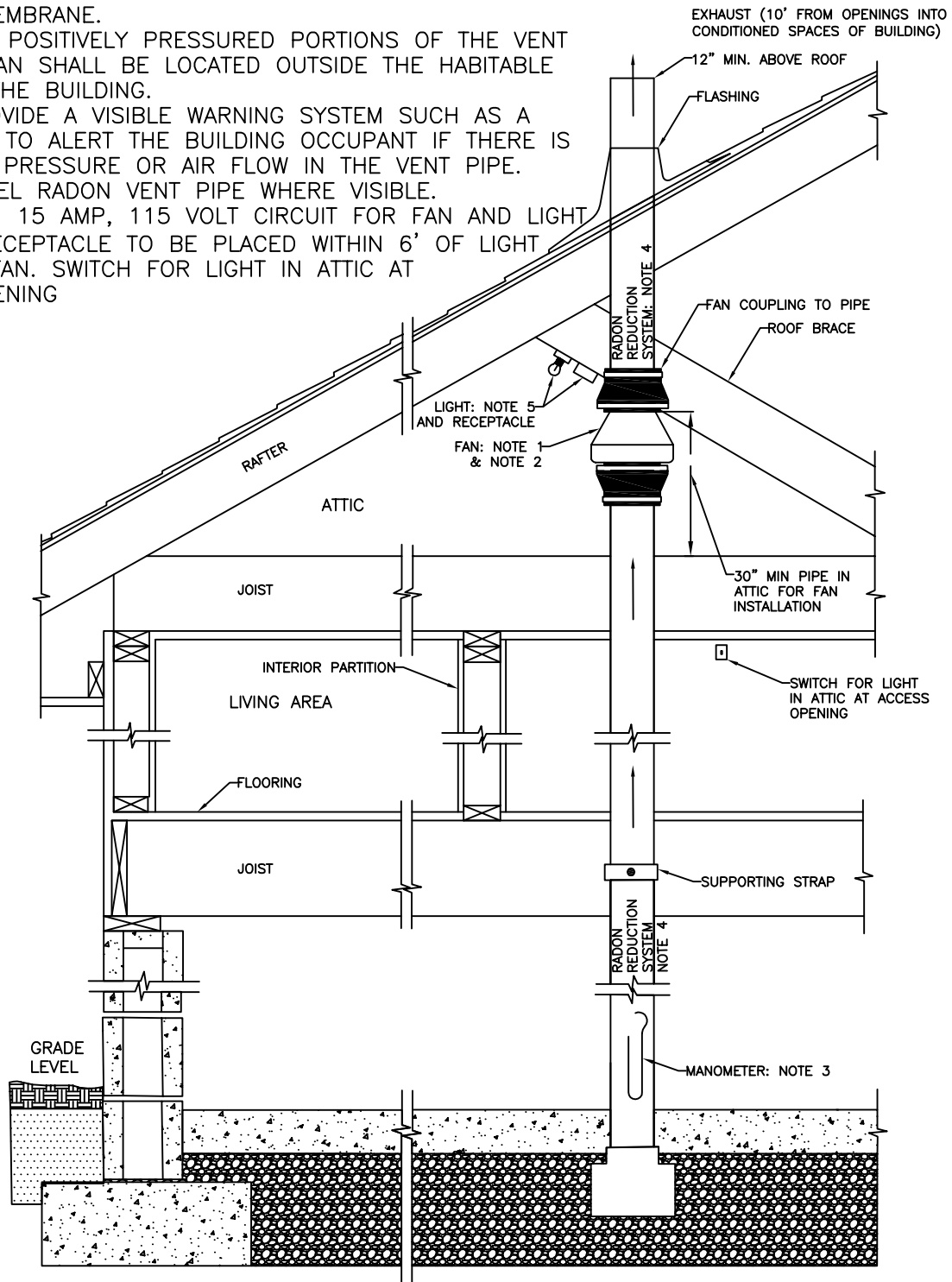
1. INSTALL THE VENT FAN IN THE VERTICAL RUN OF THE VENT PIPE. THE SIZE AND AIR MOVEMENT CAPACITY OF THE VENT FAN SHALL BE SUFFICIENT TO CREATE AND MAINTAIN A PRESSURE FIELD BENEATH THE SLAB OR CRAWLSPACE MEMBRANE THAT IS LOWER THAN THE PRESSURE ABOVE THE SLAB OR MEMBRANE.

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 WARNING SYSTEM SUCH AS A MANOMETER TO ALERT THE BUILDING OCCUPANT IF THERE IS A LOSS OF PRESSURE OR AIR FLOW IN THE VENT PIPE.

4. LABEL RADON VENT PIPE WHERE VISIBLE.

5. MIN. 15 AMP, 115 VOLT CIRCUIT FOR FAN AND LIGHT IN ATTIC. RECEPTACLE TO BE PLACED WITHIN 6' OF LIGHT AND VENT FAN. SWITCH FOR LIGHT IN ATTIC AT ACCESS OPENING



ADDITIONAL COMPONENTS REQUIRED FOR ACTIVATION OF
 TITLE: PASSIVE BASEMENT OR CRAWL SPACE RADON CONTROL
 SYSTEM

DATE: DECEMBER 2014

DRAWING NO:

