



VAPOR BARRIER INSTALLATION REQUIREMENTS FOR CONCRETE SLABS

 **EDDING**
CALIFORNIA
City of Redding
777 Cypress Avenue
Redding CA 96001
Telephone:
(530) 225-4013
FAX: (530) 225-4360

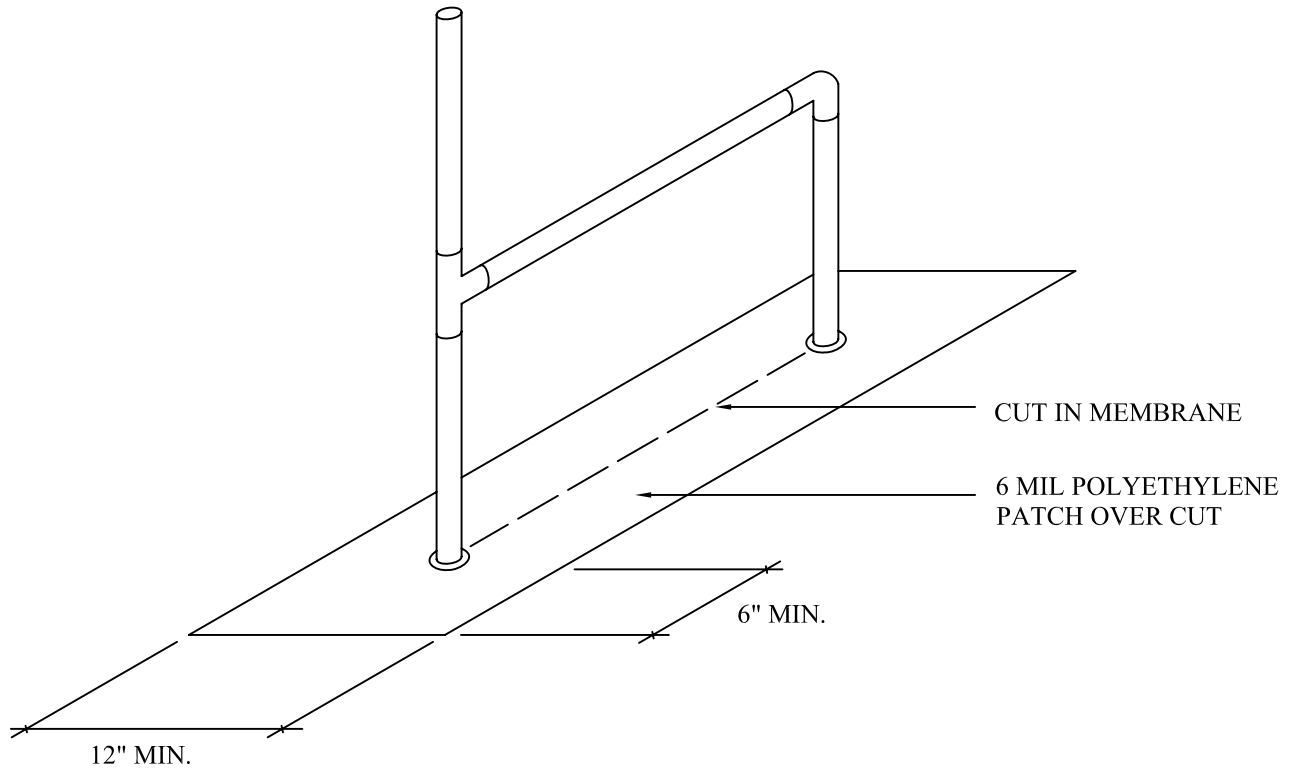
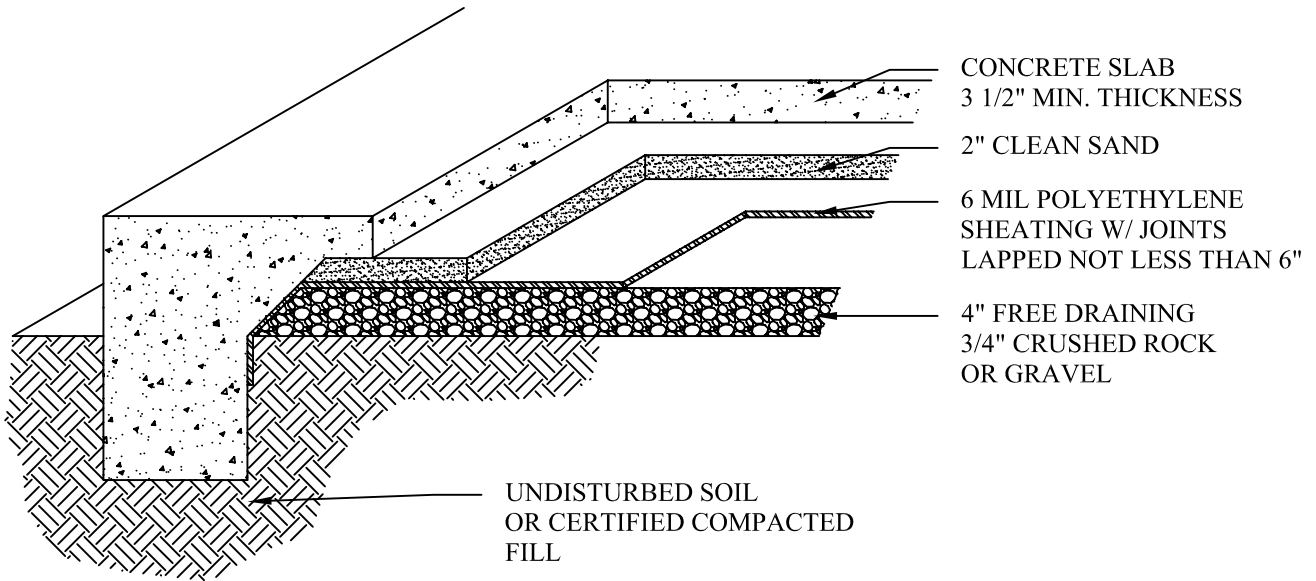
The following installation practices shall be followed for the placement of vapor barriers under all concrete slabs unless specifically exempted below [CBC Sections 1910.1 & 1807.2]:

- a) Rough grade the sub base to a minimum of 6" below finished floor grade.
- b) Install 4" of 3/4" free draining gravel or crushed rock over entire sub grade area.
- c) Install 6 mil. polyethylene sheathing over gravel or crushed rock. Care must be taken to remove sharp objects to ensure the integrity of the membrane. Laps in sheets of plastic shall be at least 6".
- d) Cuts made in the membrane to accommodate rough plumbing shall be covered with 12" wide strips of 6 mil. and secured as in section c) above. Adhesive backed tape or mastic shall be used to seal around penetrations through the membrane.
- e) Cover the membrane with 2" of sand.
- f) Concrete slab to be a minimum 3 1/2".

Exception:

A vapor retarder is not required,

1. For detached structures accessory to occupancies in Group R-3, such as garages, utility buildings or other unheated facilities.
2. For unheated storage rooms having an area of less than 70 square feet (6.5m²) and carports attached to occupancies in Group R-3.
3. For buildings of other occupancies where migration of moisture through the slab from below will not be detrimental to the intended occupancy of the building.
4. For driveways, walks, patios and other flatwork which will not be enclosed at a later date.



SHEET 2 OF 2

BUILDING CONSTRUCTION STANDARD

VAPOR BARRIER INSTALLATION DETAIL



DES/REV
BRN/

DATE
1/29/08

BUILDING OFFICIAL
[Signature]

REVISED