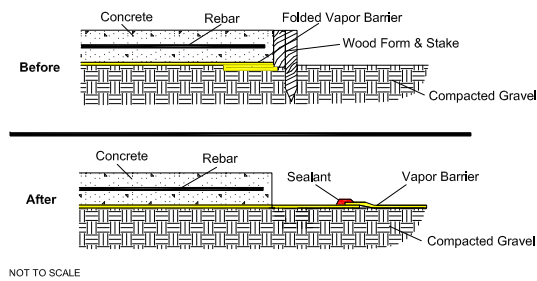
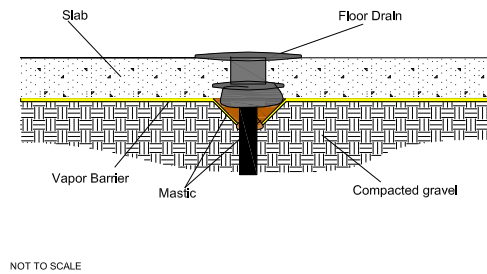


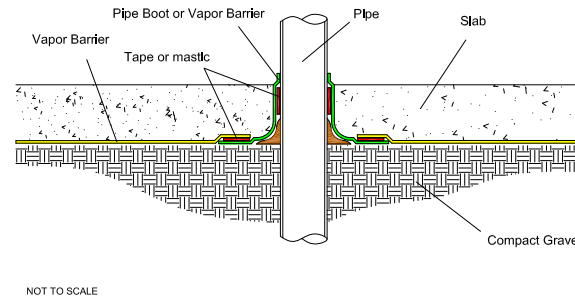
**Construction Joint Application for Large Slabs Placed in Stages**



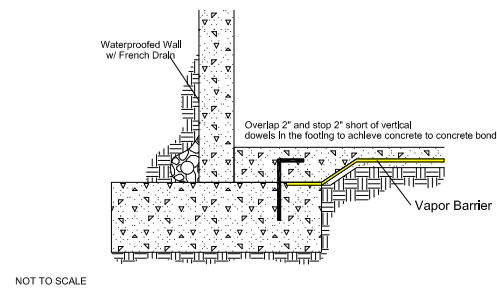
**Membrane Interaction with Floor Drain**



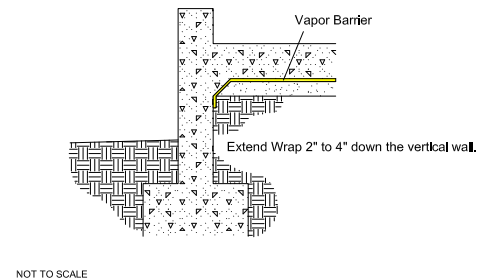
**Membrane Interaction with Pipe Penetration**



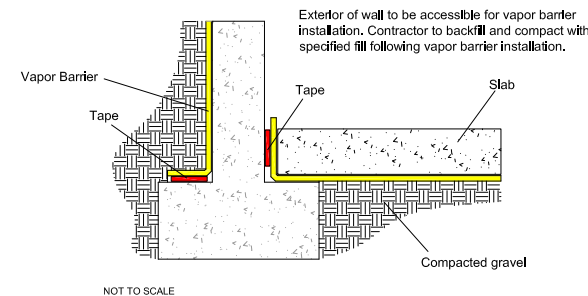
**Membrane Termination Onto Footing just Short of Rebar Dowels**



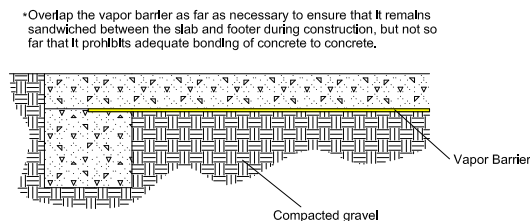
**Membrane Termination Onto Below Slab Wall Footing**



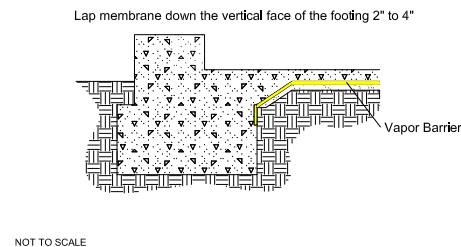
**Membrane Termination Onto Outside Cellar Wall Footing**



**Membrane Termination Between Footer and Slab Needing Concrete Bond**



**Membrane Termination Onto Exterior Wall Footing**



**VAPOR BARRIER CONSTRUCTION NOTES:**

1. Vapor barrier membrane to be approved by the project design engineer. Membrane shall at a minimum be a Class A Vapor Barrier (ASTM E 1745) and with a minimum thickness of 20 mills, unless otherwise approved by design engineer. In no case shall membrane contain recycled plastic product or have a permeance of greater than 0.04 Perms.
2. Vapor barrier materials to be stored in a clean, dry area or per manufacturer's instructions. Materials to be protected during handling and installation to prevent damage.
3. Prepare subsoil as specified by project architect, geotechnical engineer or structural engineer, or in accordance with ACI 302.1R-04 Section 4.1 Install vapor retarder membrane over leveled and compacted 3/4" 2B pea gravel, or an equivalent approved by design engineer. Do not begin installation until unacceptable conditions have been corrected.
4. Installation shall be in accordance with manufacturer's instructions, ASTM E 1643-98 (2005), best industry practices, and all applicable federal, state, and local codes. Membrane to be unrolled with the longest dimension parallel to the direction of the pour. Succeeding sheets should be accurately positioned to overlap the adjacent sheet by a minimum of 6 inches. Lap membrane over footings and seal to foundation wall. Ensure there are no discontinuities in vapor retarder at seams and penetrations. Laps to be sealed with double-sided asphaltic tape, mastic or equivalent sealant with permeance of 0.3 perms or less approved by the design engineer. Ensure membrane surfaces to receive sealant are clean and dry.
5. Protect membrane from damage during installation of reinforcing steel and utilities, and during placement of concrete slab.
6. No penetrations shall be made except for reinforcing steel, foundations/pile caps, and permanent utilities. Vapor barrier to be inspected for holes or other damage. Small holes to be patched with mastic or approved equivalent, or per manufacturer's instructions. Larger holes to be patched with additional cut-out sections of membrane and sealed on all four sides, or per manufacturer's instructions. All allowed penetrations shall be sealed per manufacturer's instructions. Design engineer must be allowed to inspect final installation prior to pouring slab with sufficient lead-time for the contractor to implement required changes.
7. Place concrete within 30 days of vapor barrier installation.



**Vapor Barrier Details**

DRAWN BY:	
CHECKED BY:	
DATE:	
SCALE:	N.T.S.