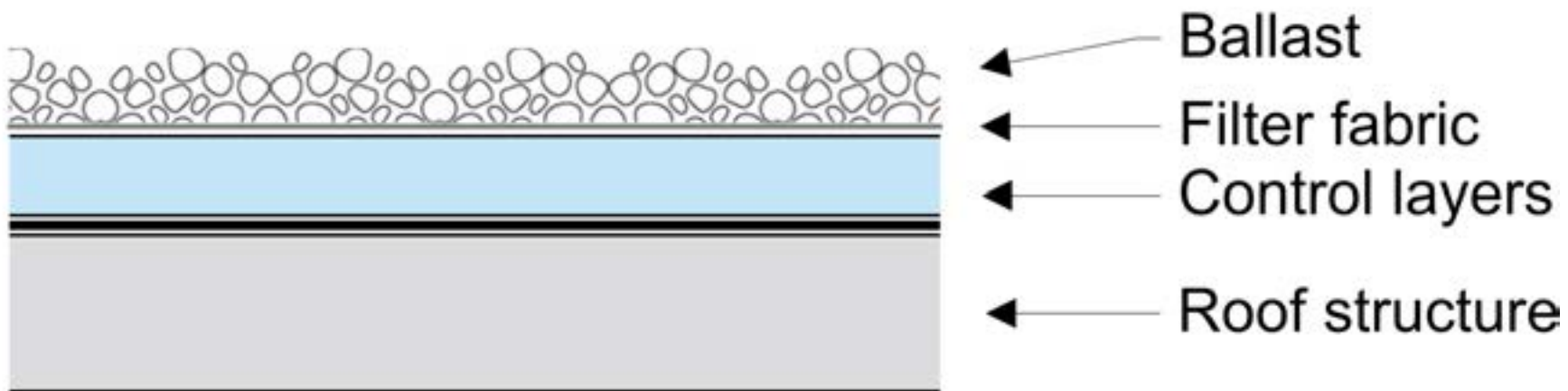


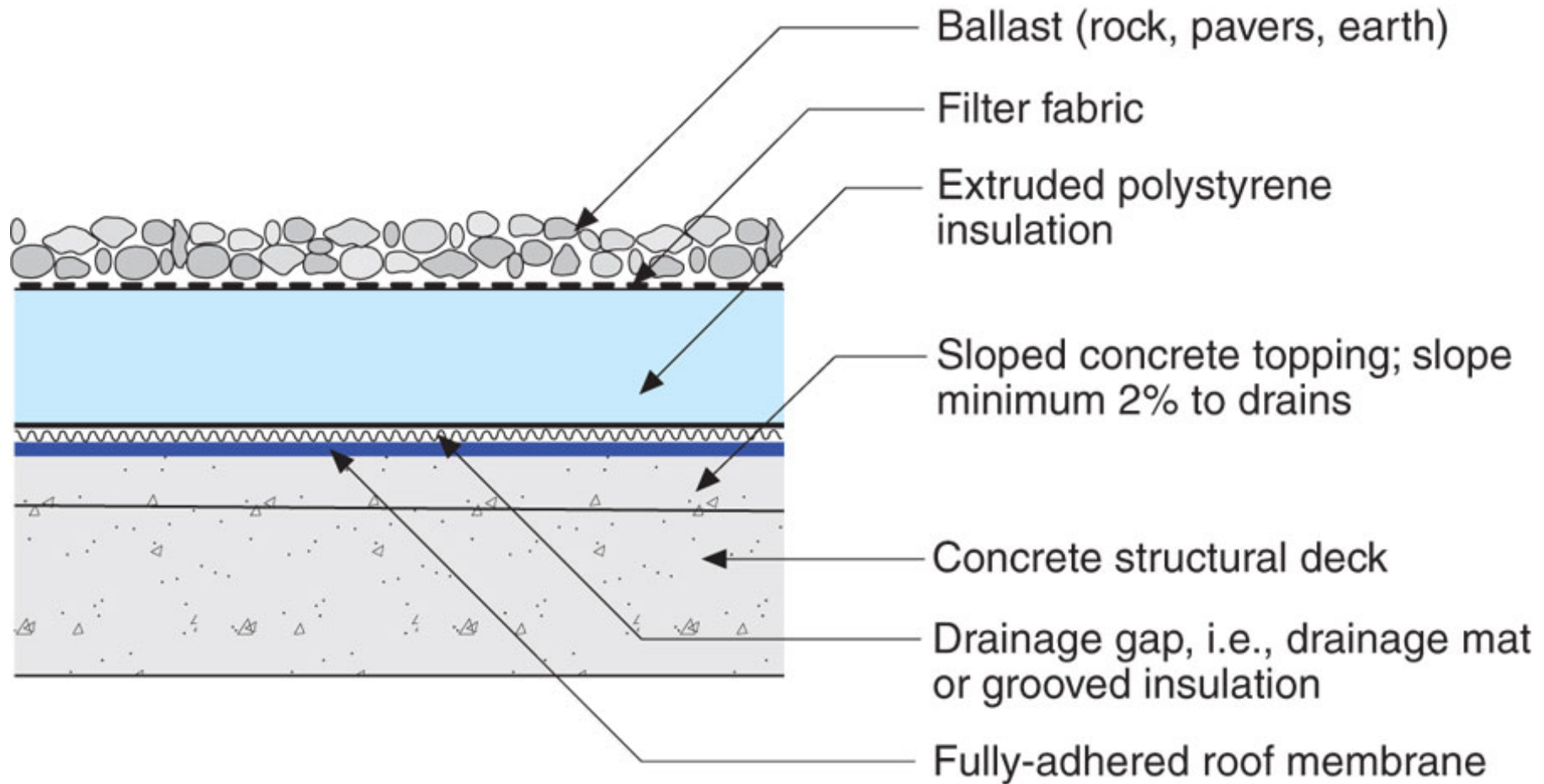
Joseph Lstiburek, Ph.D., P.Eng, ASHRAE Fellow

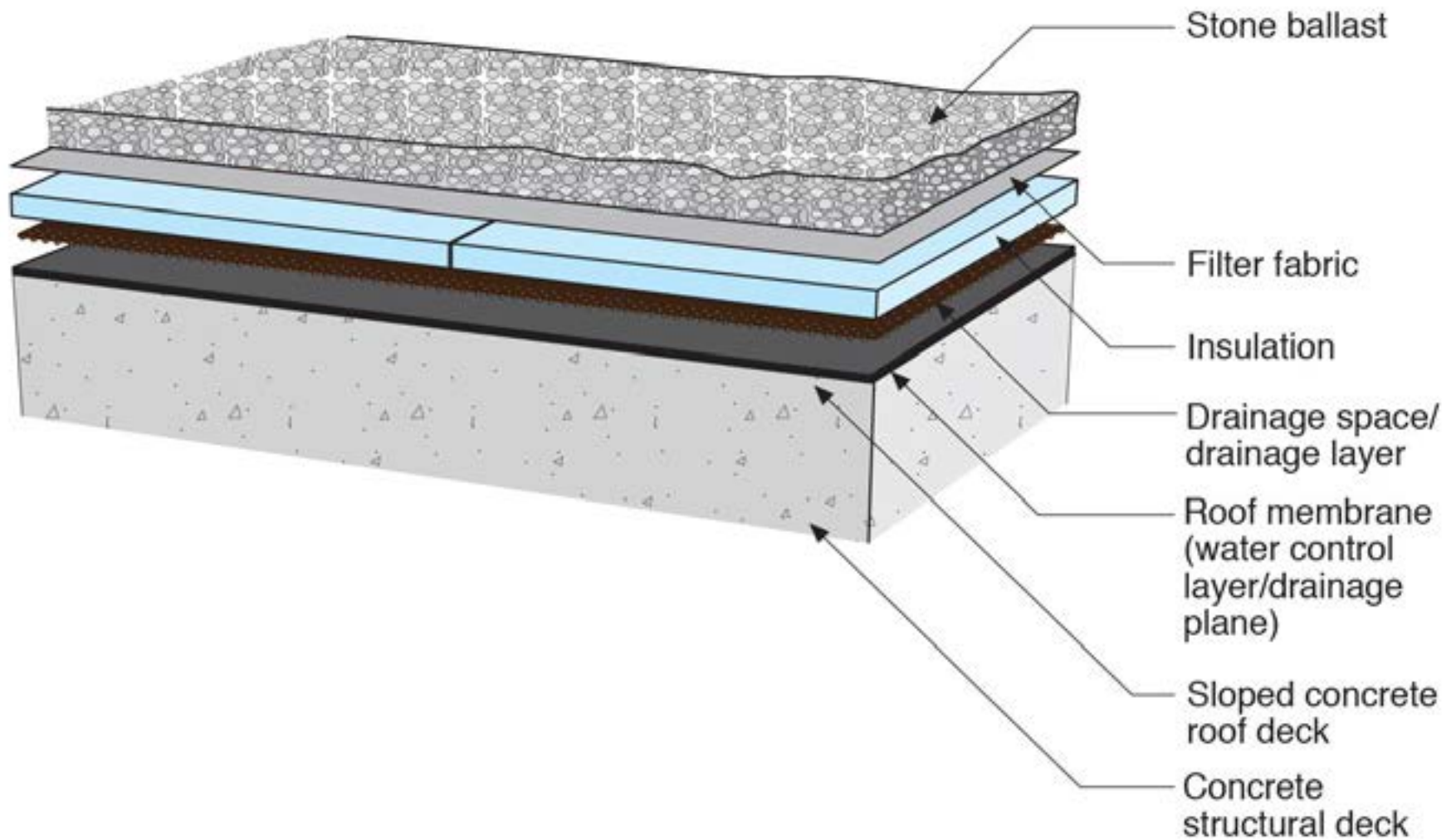
Building Science

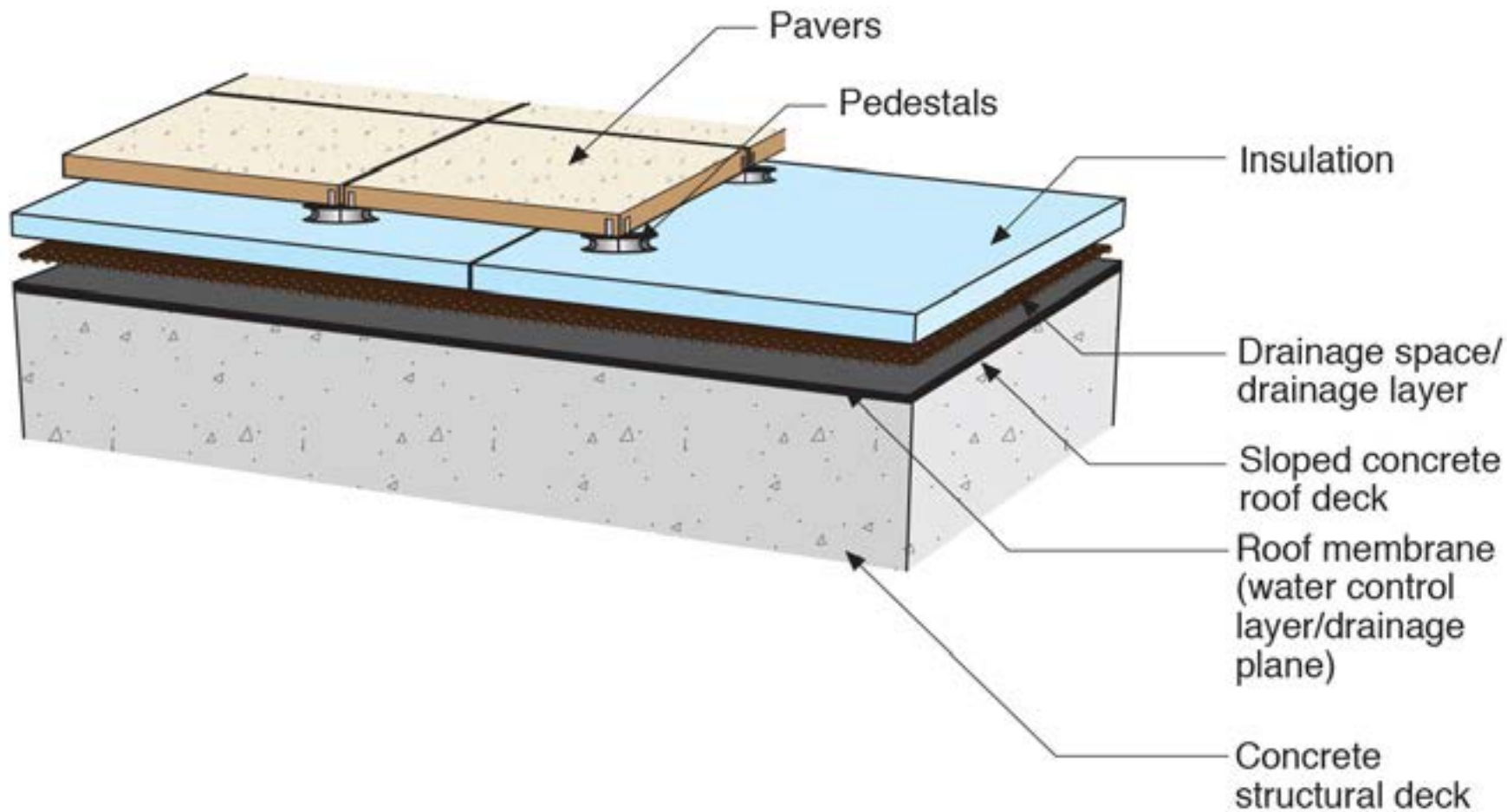
Adventures In Building Science

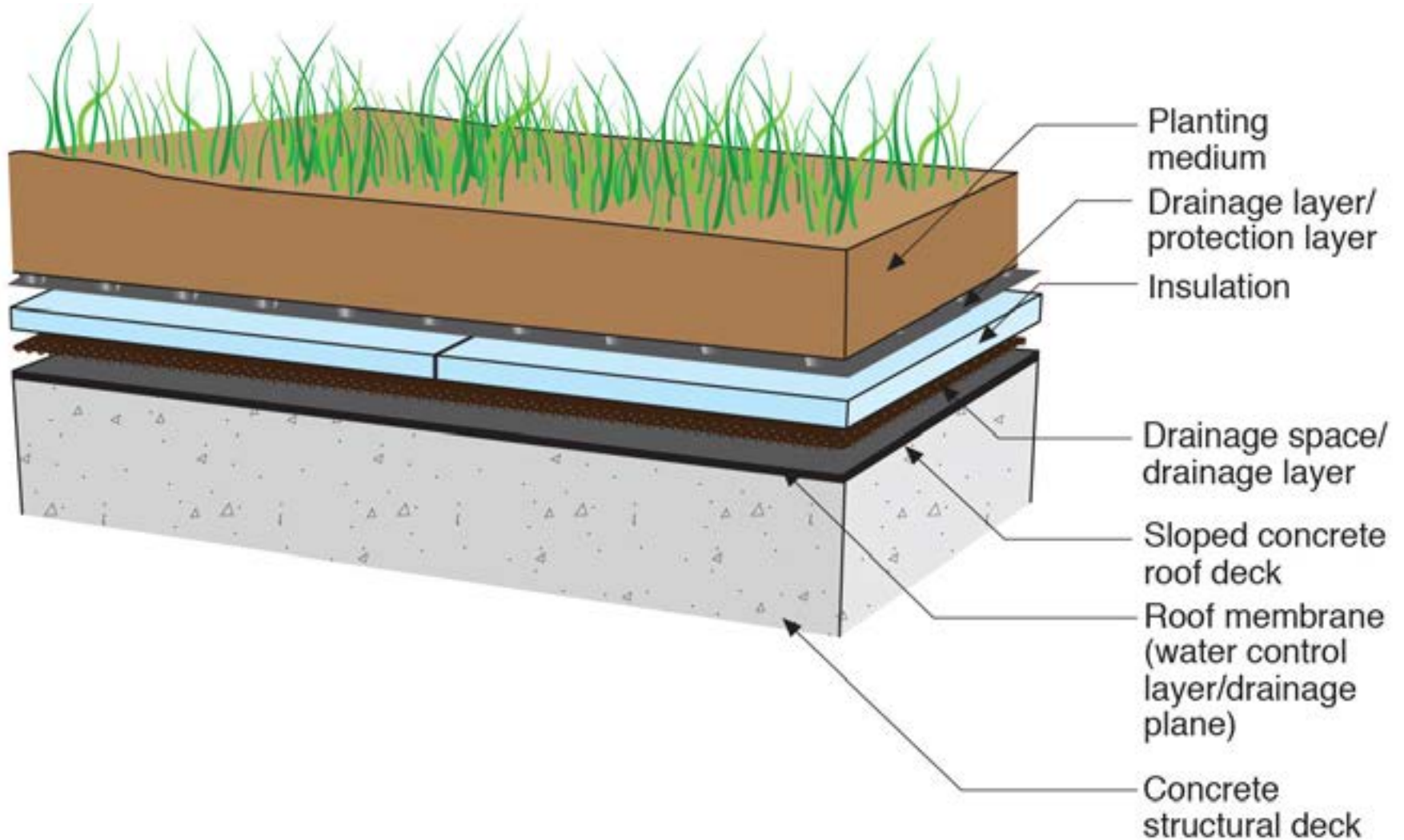
www.buildingscience.com

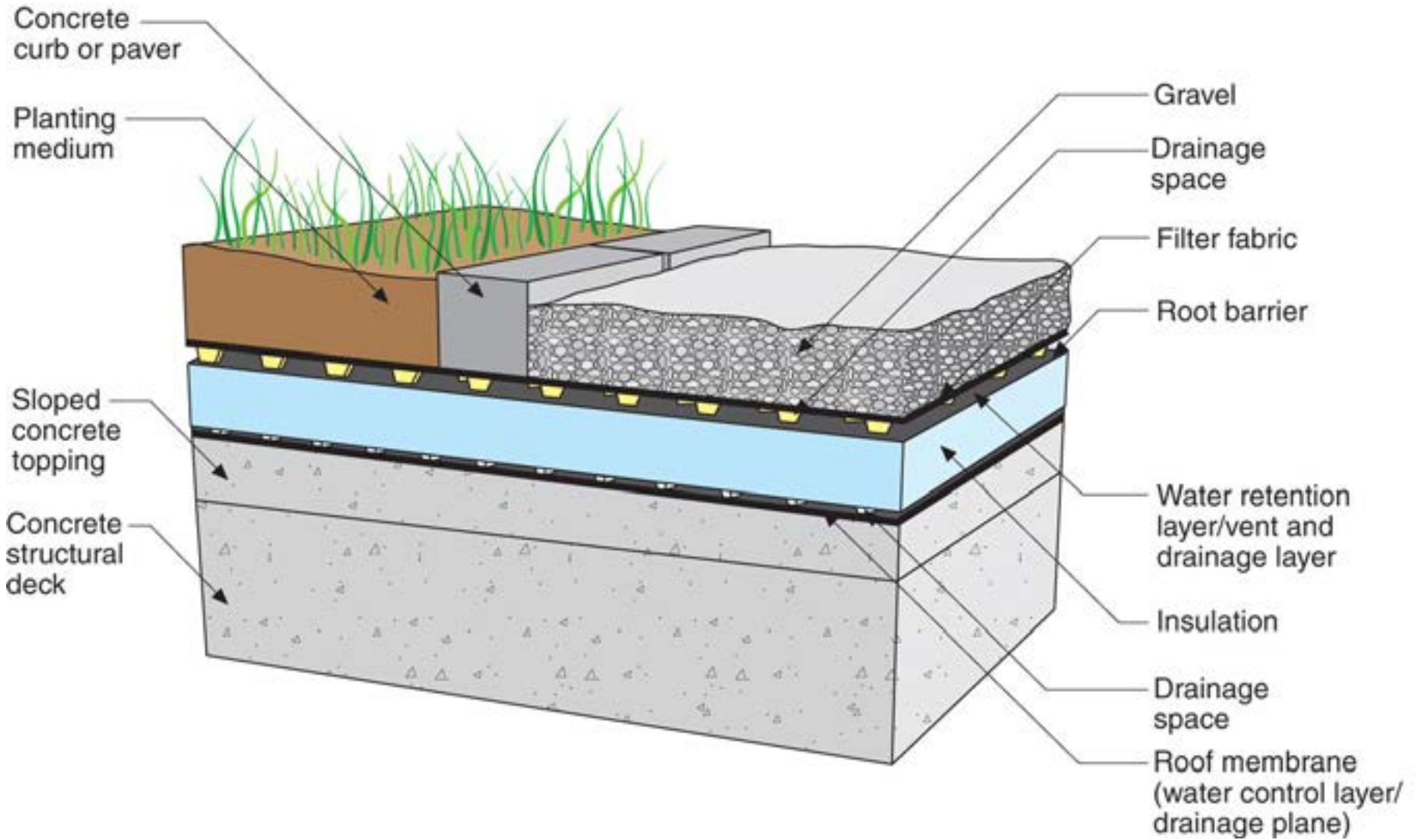


















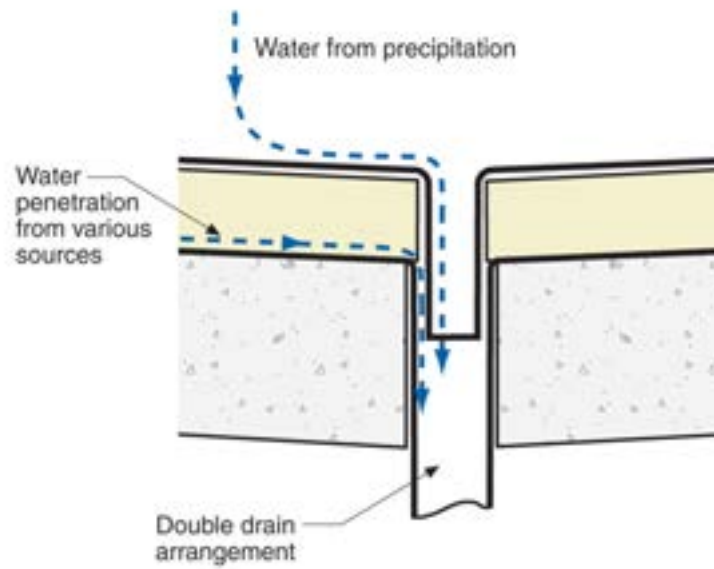
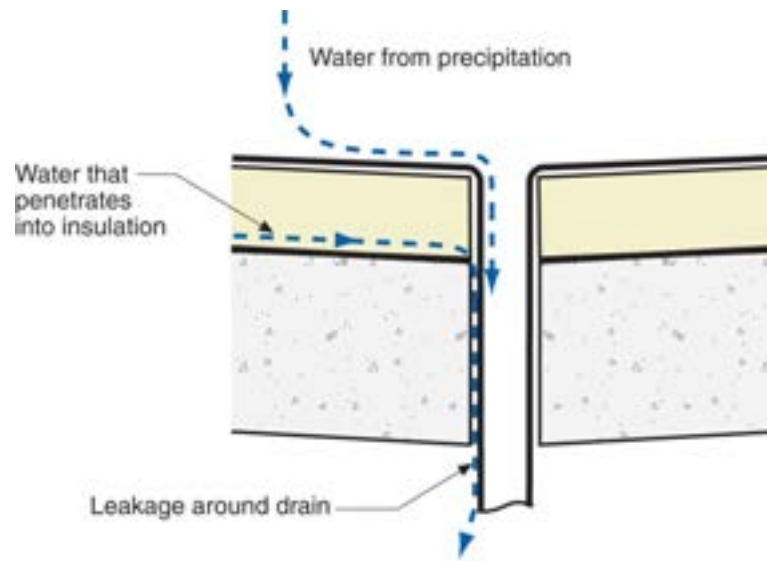




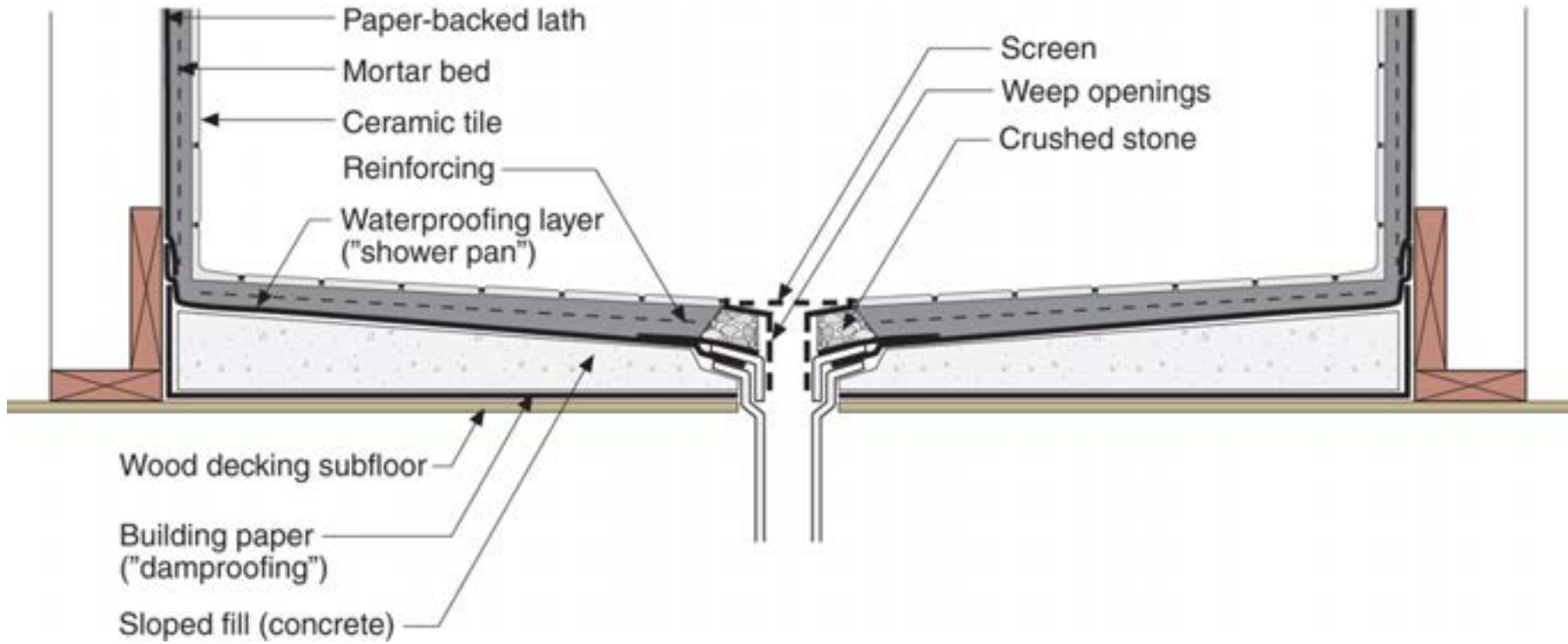


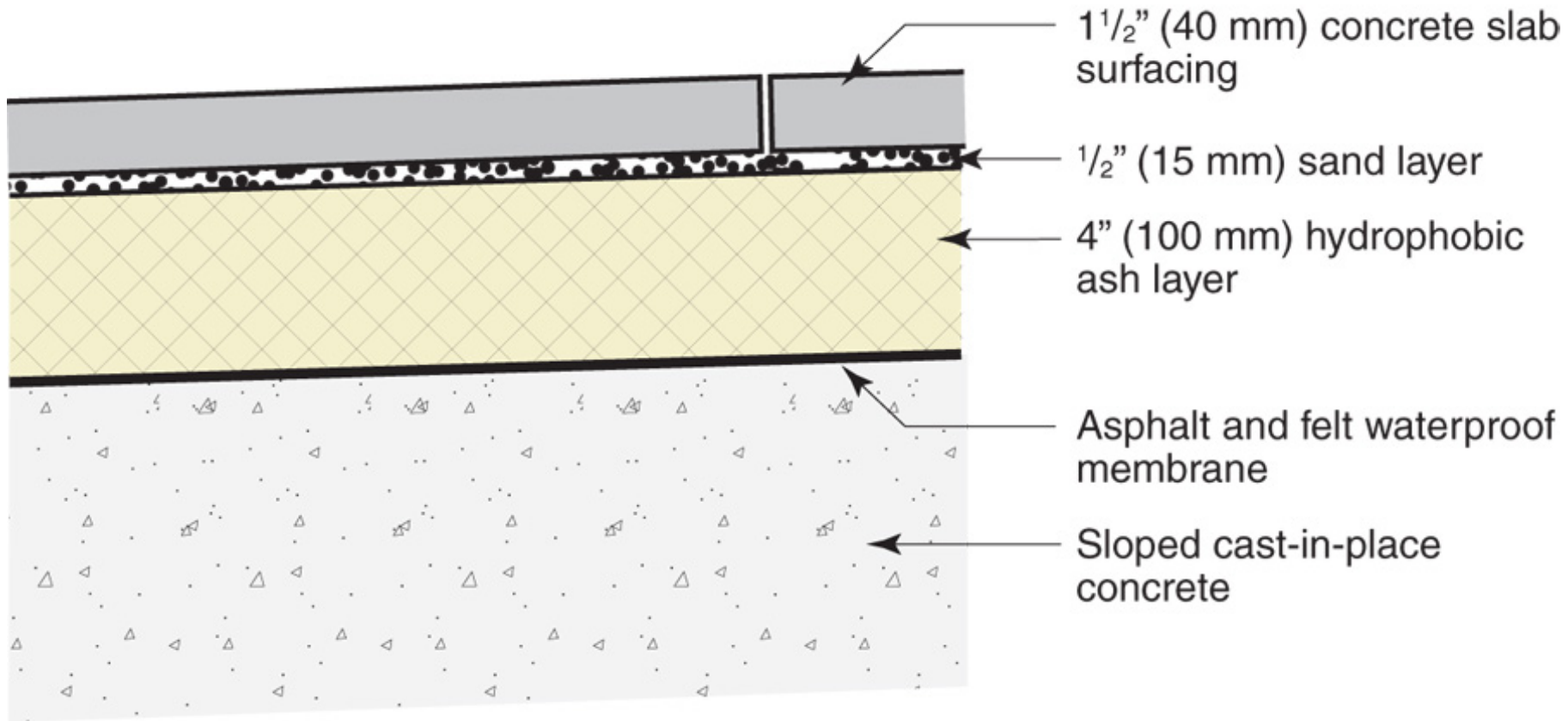
Plaza Decks

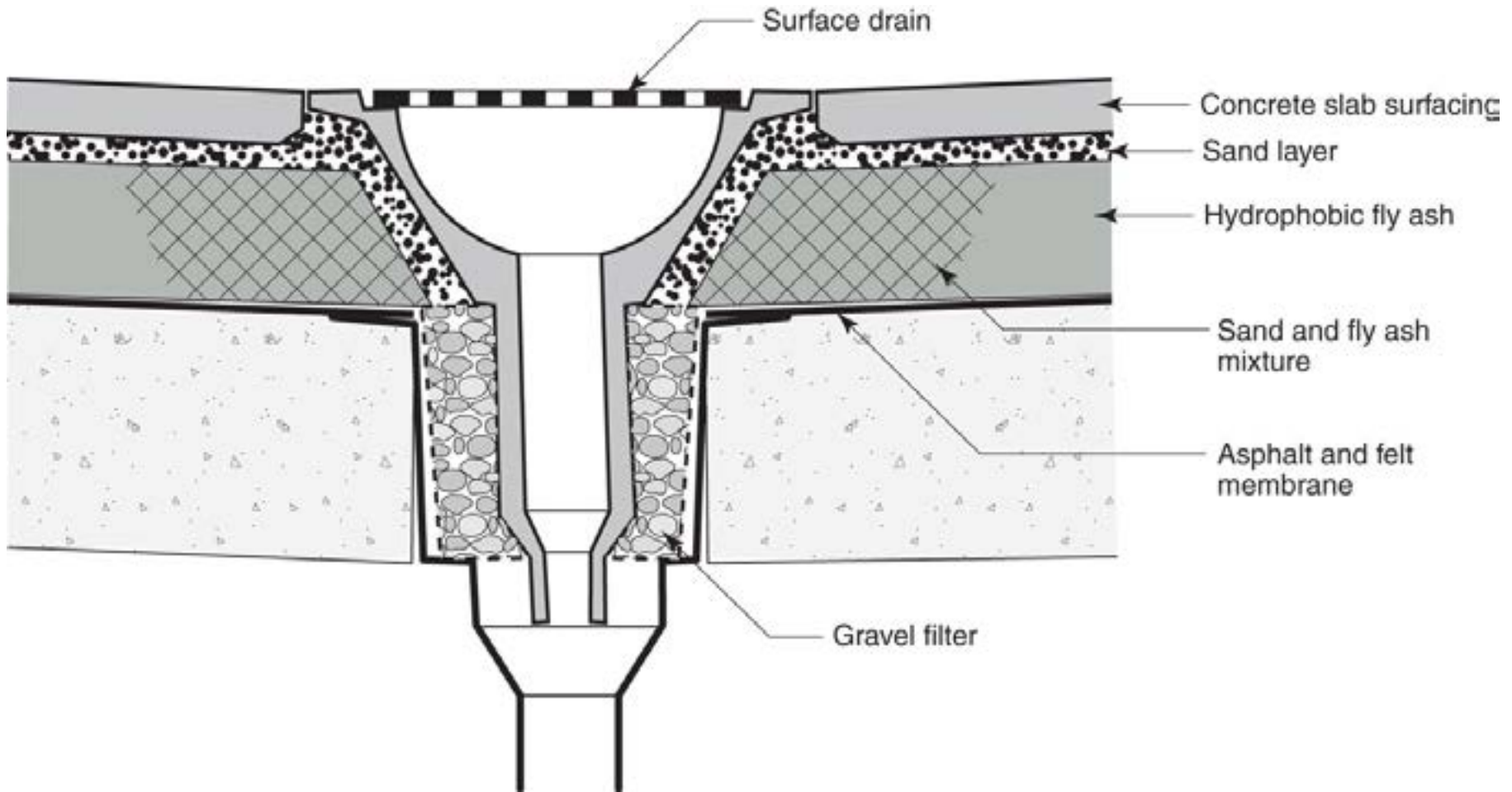


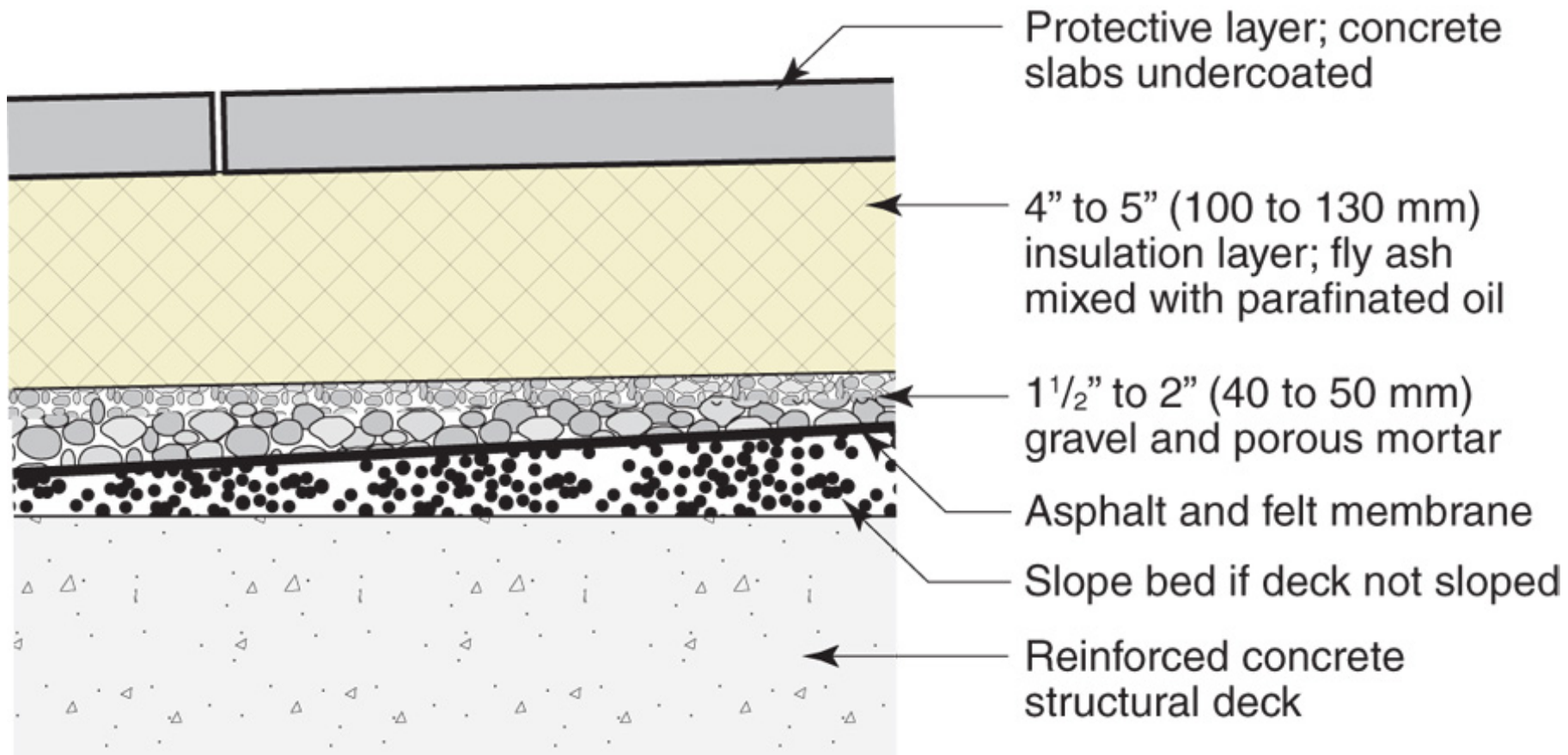


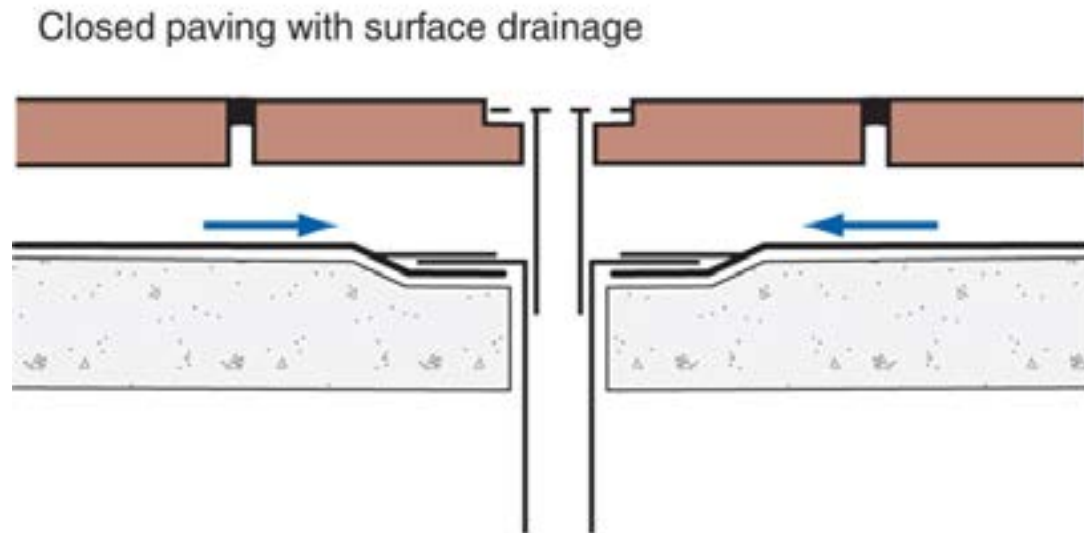
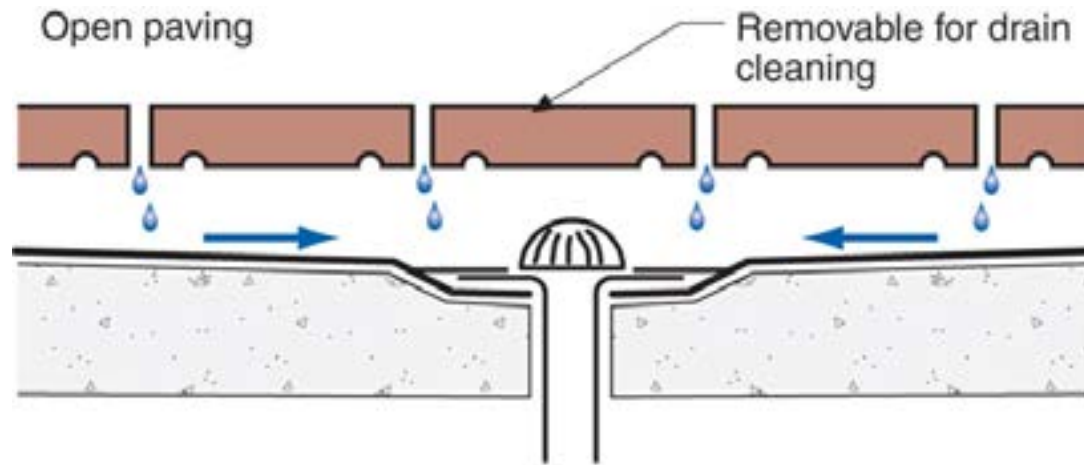
From Baker, M.; *Roofs*, 1980



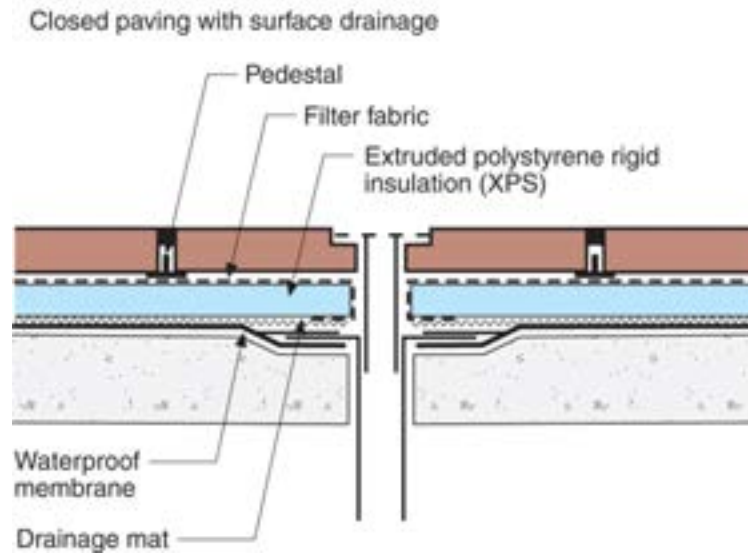
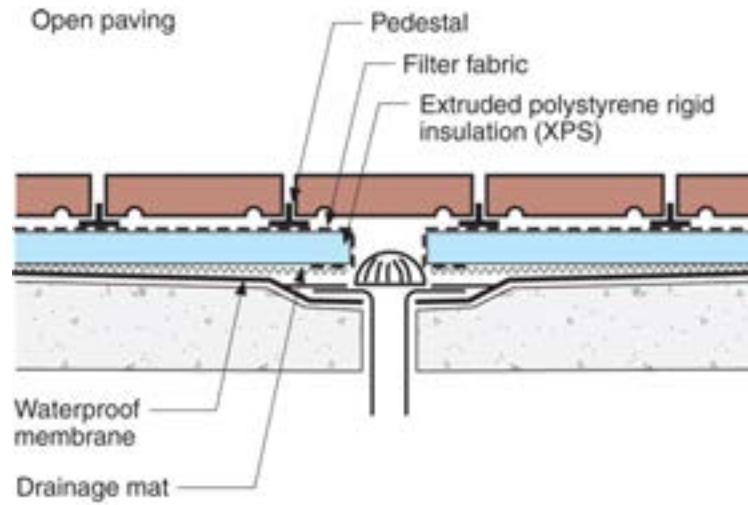








*From Baker, M.; Roofs, 1980
 Courtesy National Research Council of Canada*







Plaza Decks

Gravity

Drainage Space

Capillary Break

Protection

Isolation

Plaza Decks

Gravity

Drainage Space

Capillary Break

Protection

Isolation

...oh and you better get it right.....

Plaza Decks Are Really Protected Membrane Roofs

Plaza Decks Are Really Protected
Membrane Roofs
Not Easily Serviceable

Plaza Decks Are Really Protected
Membrane Roofs

Not Easily Serviceable

Should Be Isolated And Protected From All
Other Building and Waterproofing
Components

Plaza Deck Systems

Hot Fluid Applied Membranes

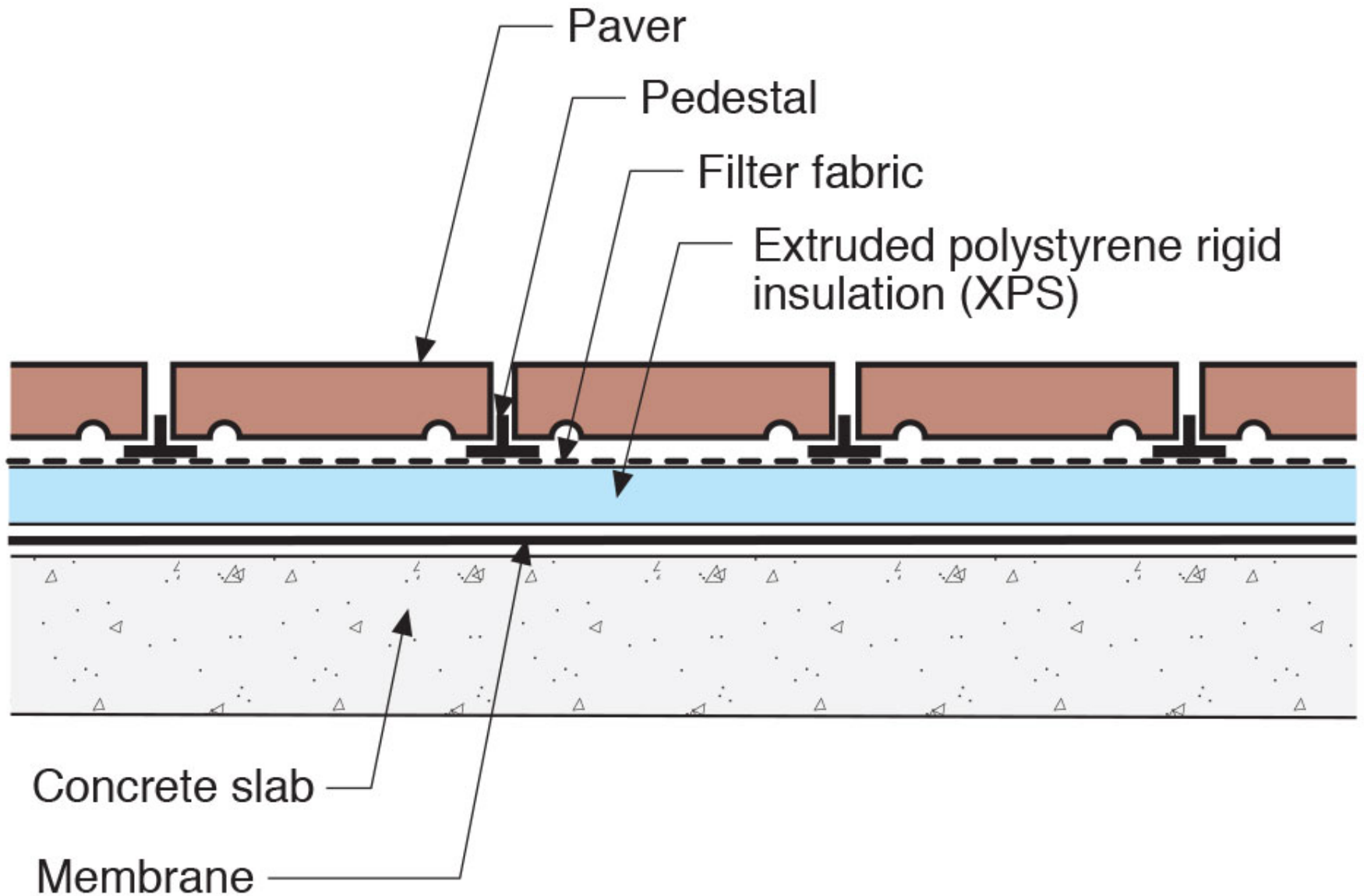
Cold Fluid Applied Membranes

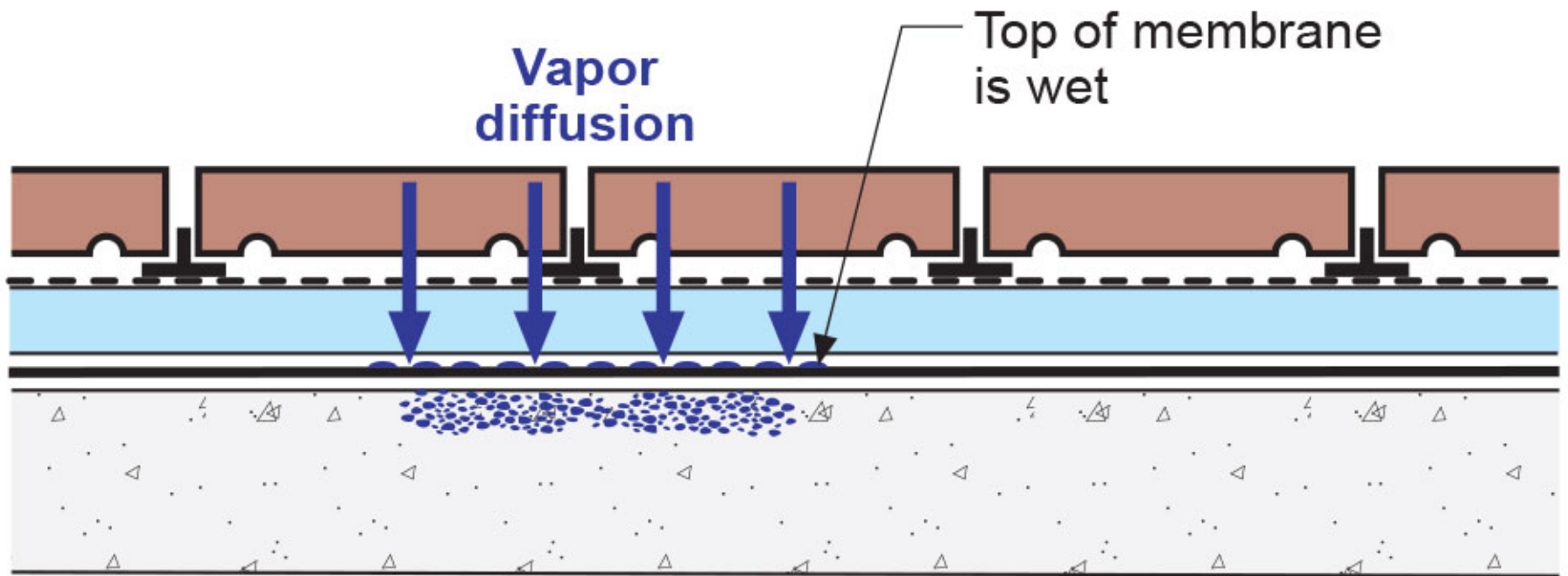




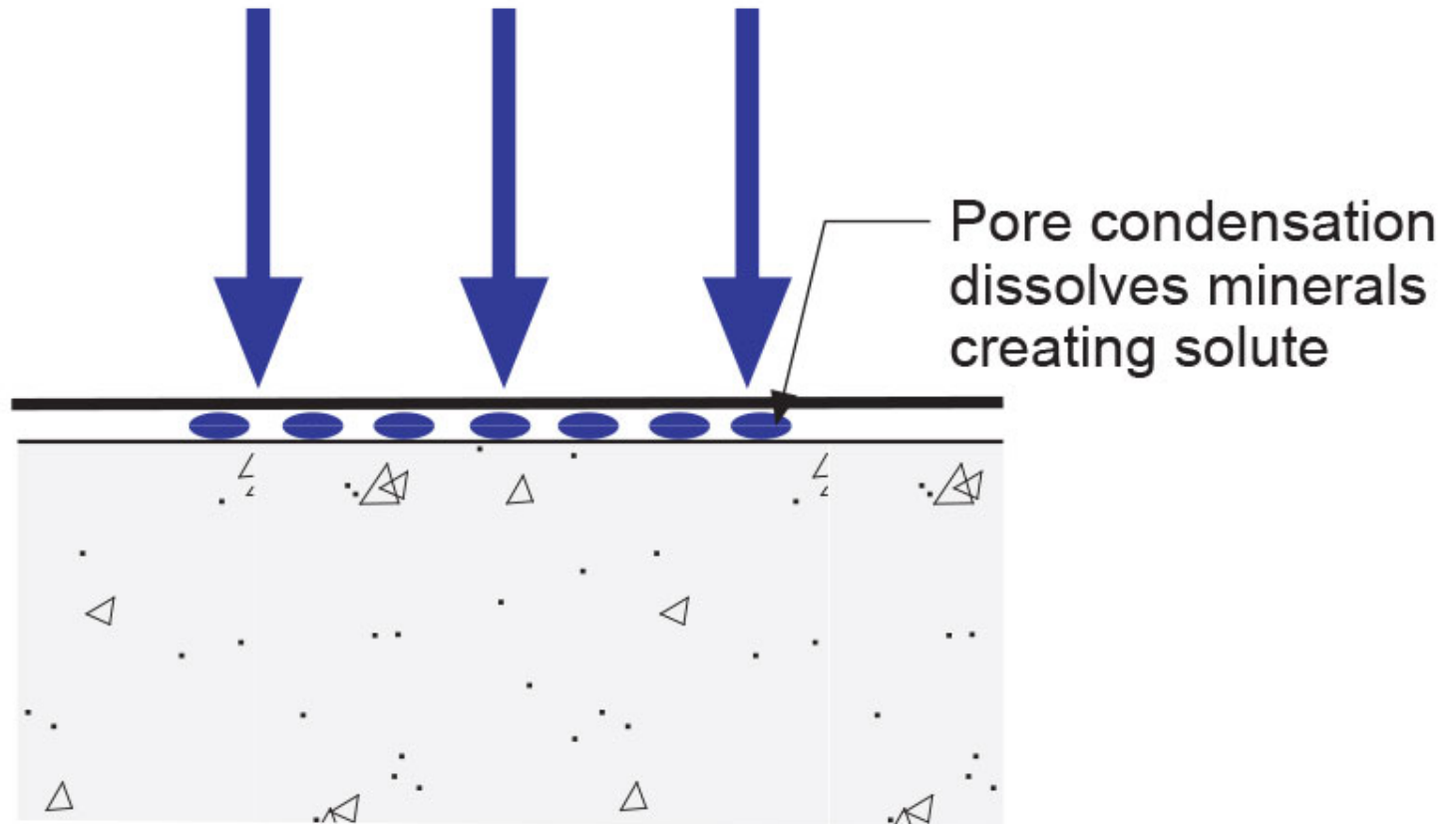


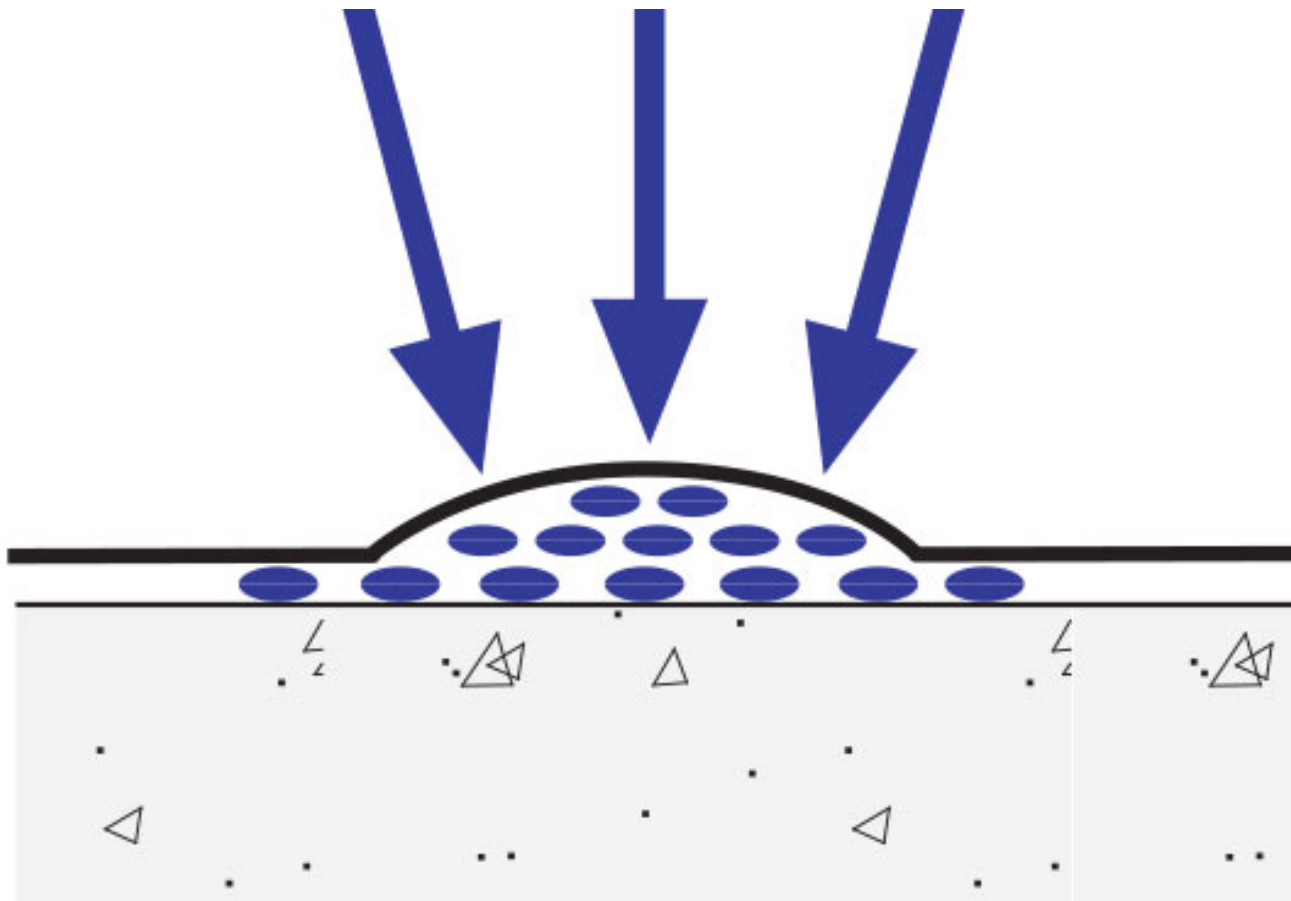
Osmosis





Vapor diffusion

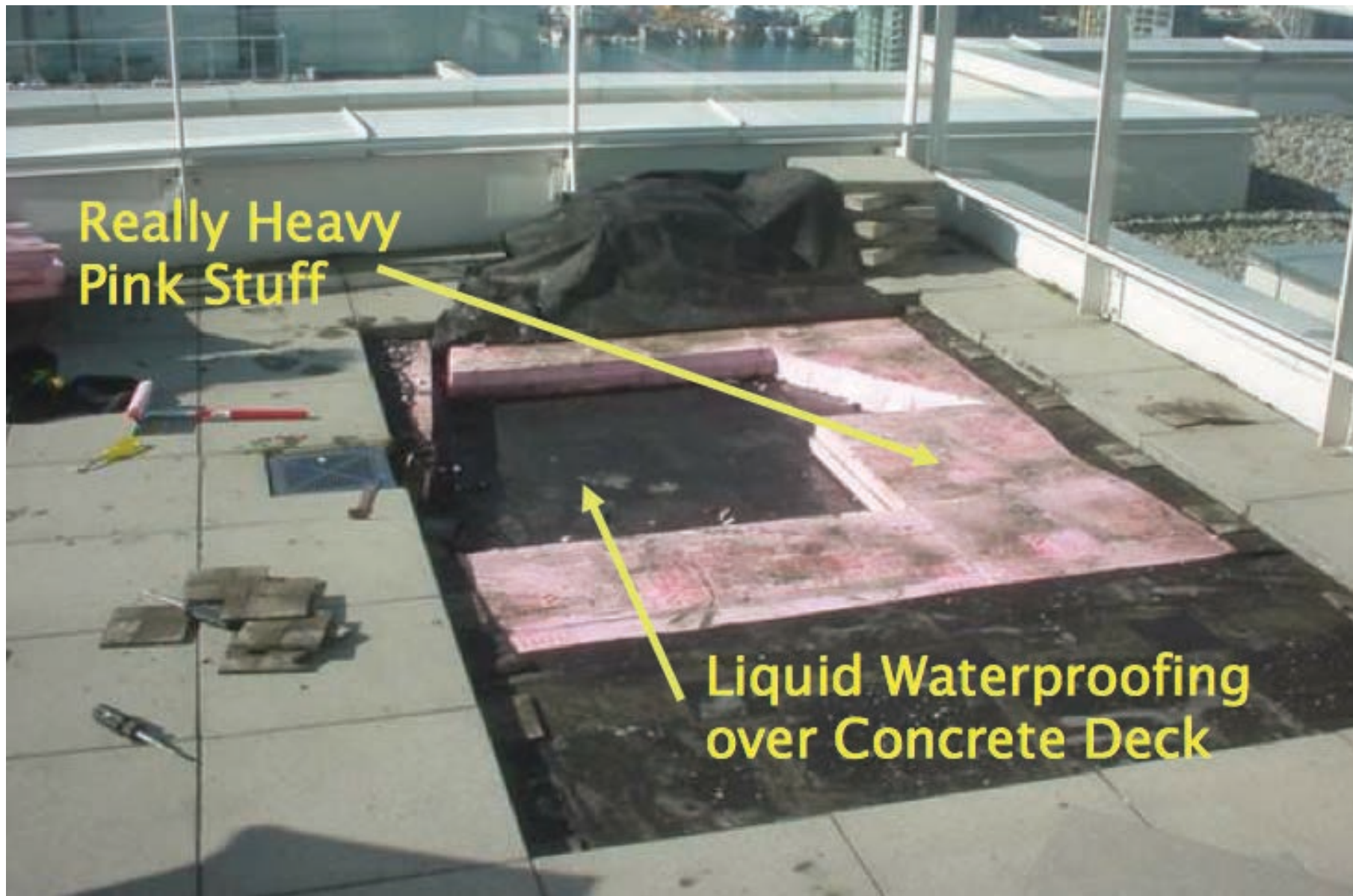






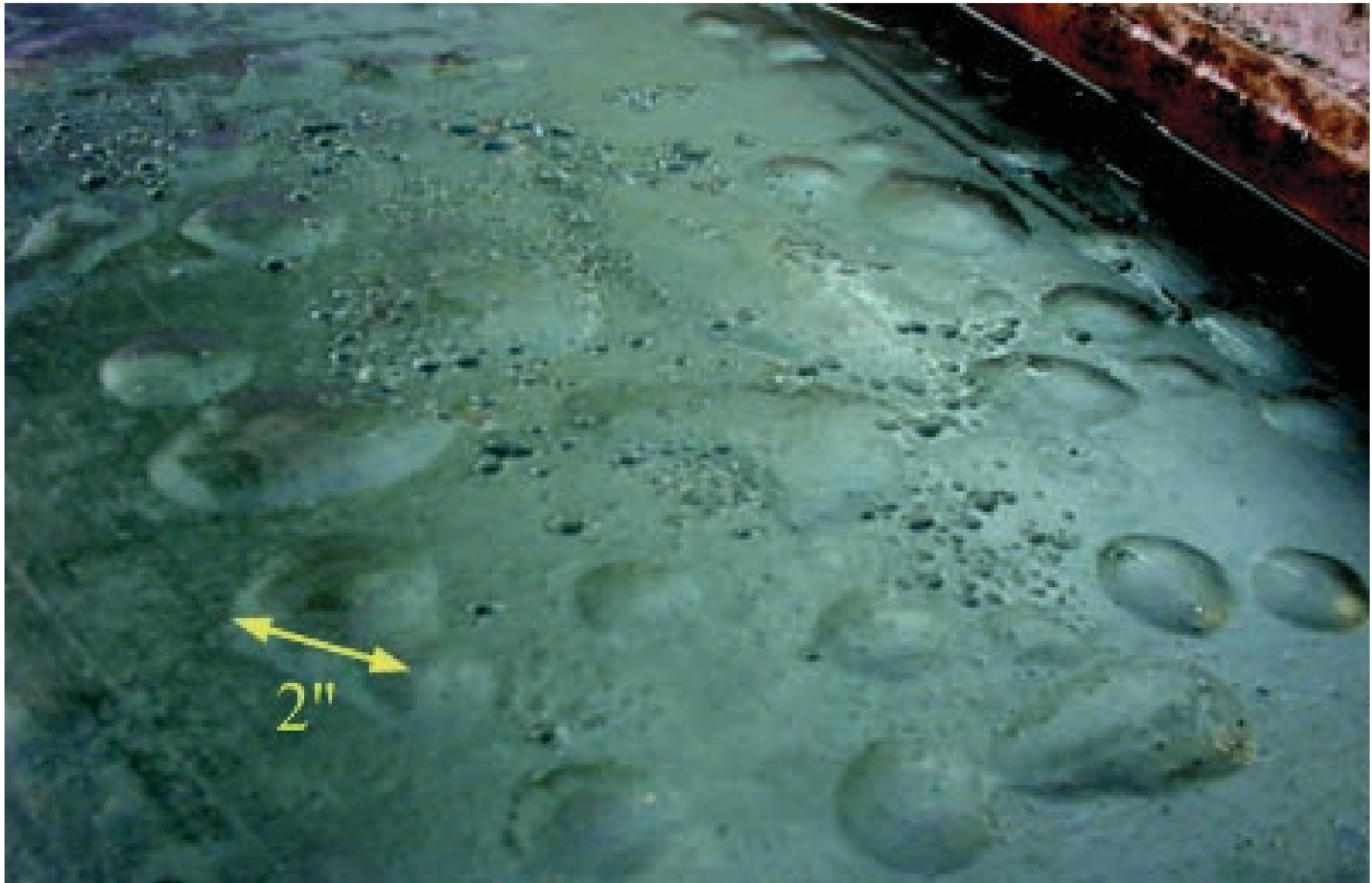
Paver Water Beds!





Really Heavy
Pink Stuff

Liquid Waterproofing
over Concrete Deck





VAPOR PERMEANCE OF LIQUID MEMBRANES

