

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

Building Science

Adventures In Building Science

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Heat Flow Is From Warm To Cold
Moisture Flow Is From Warm To Cold
Moisture Flow Is From More To Less
Air Flow Is From A Higher Pressure to a Lower Pressure
Gravity Acts Down

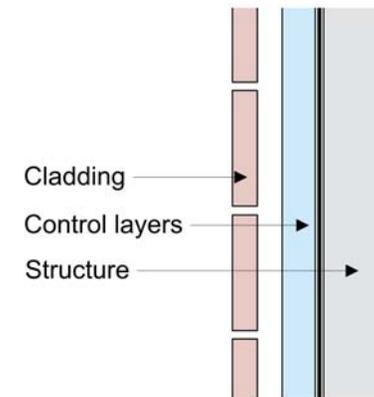
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Rain Control Layer
Air Control Layer
Vapor Control Layer
Thermal Control Layer

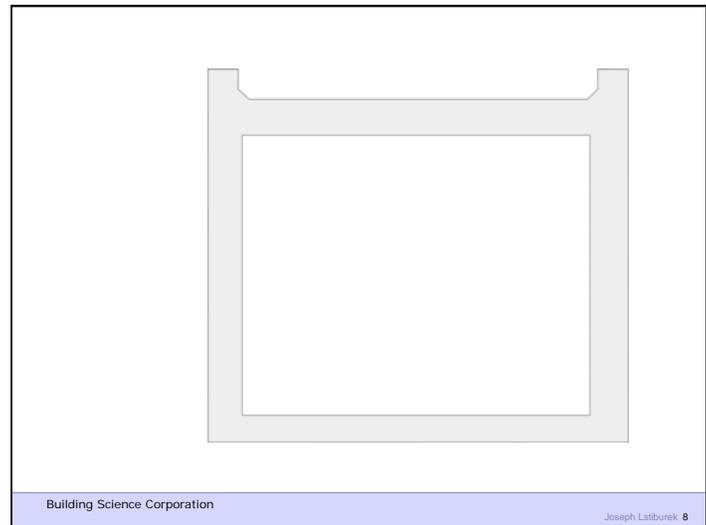
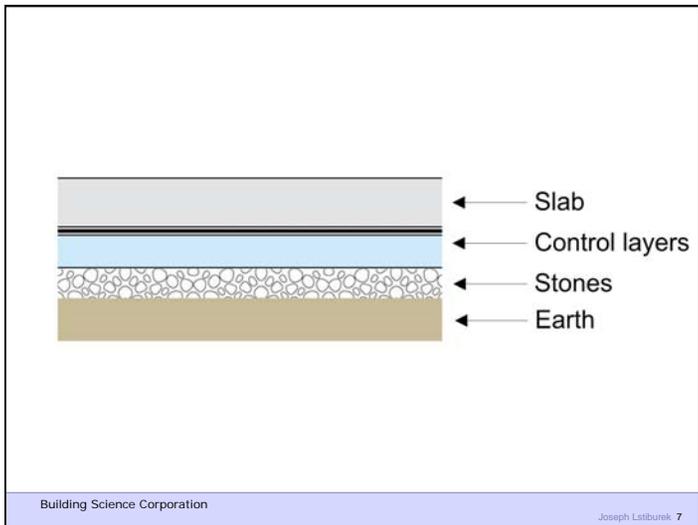
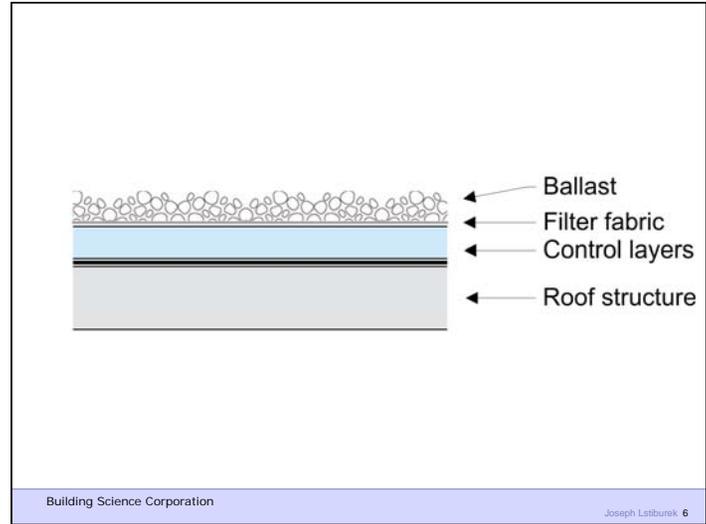
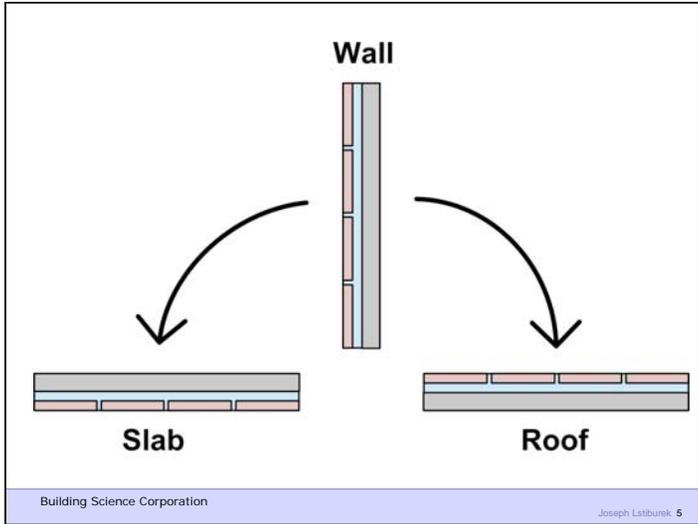
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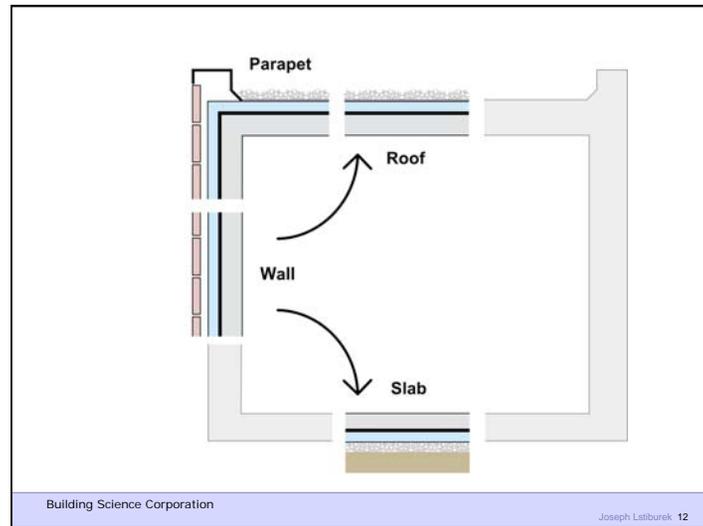
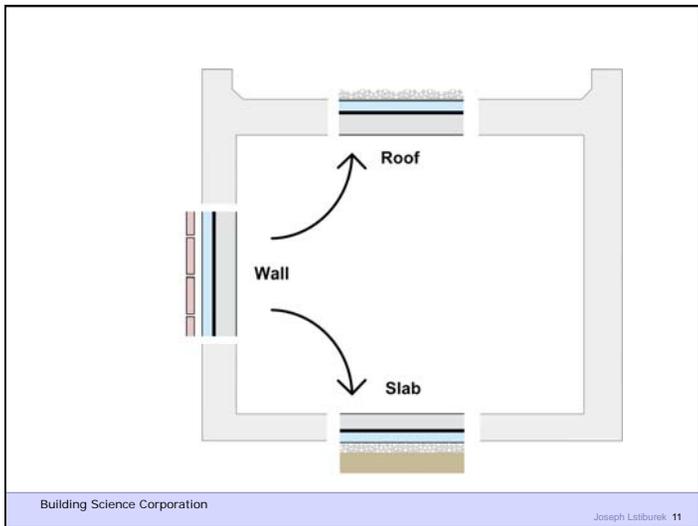
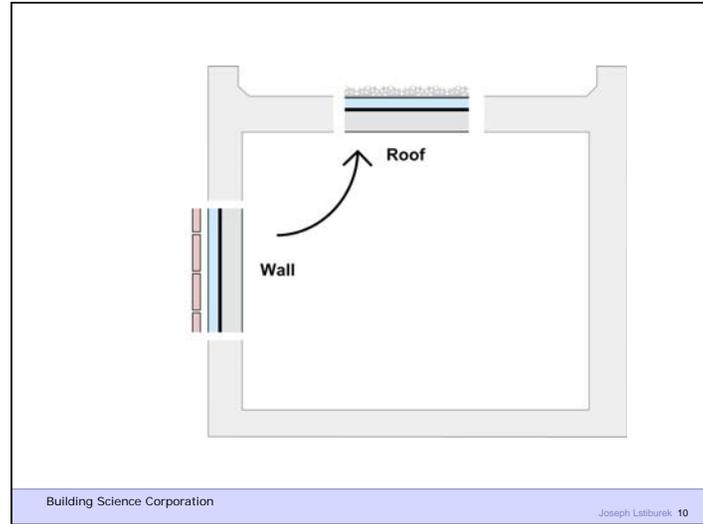
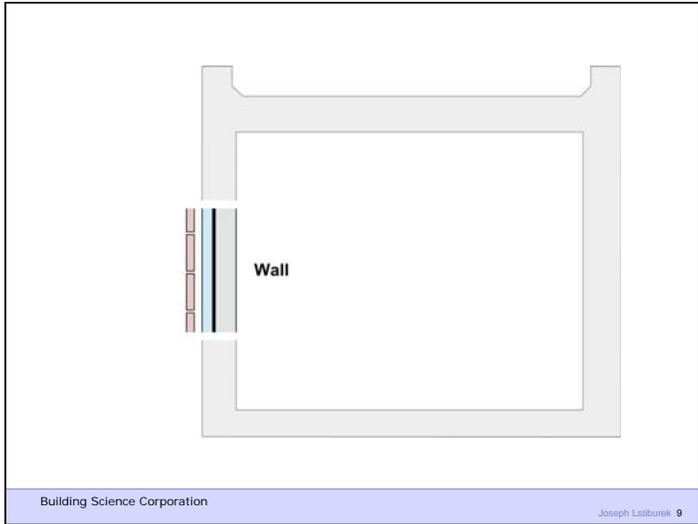
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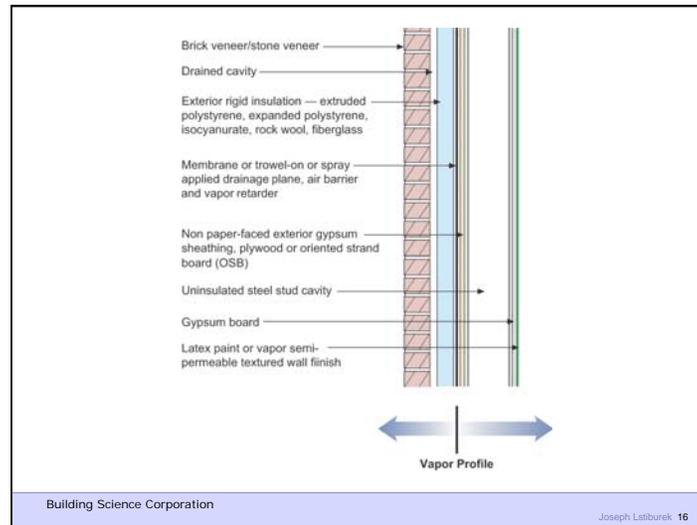
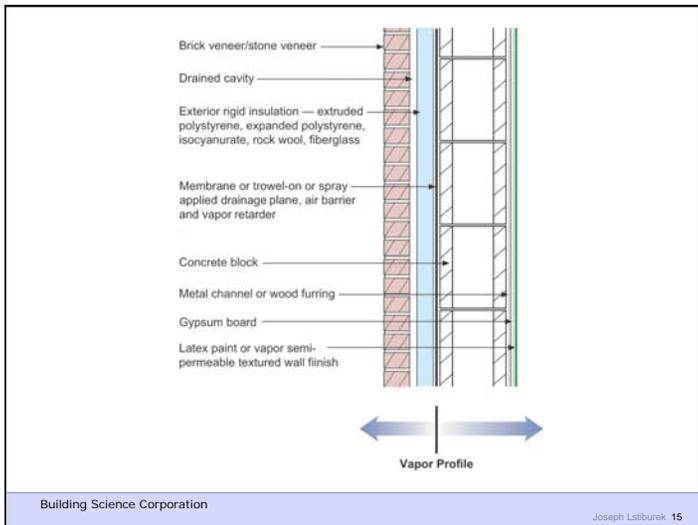
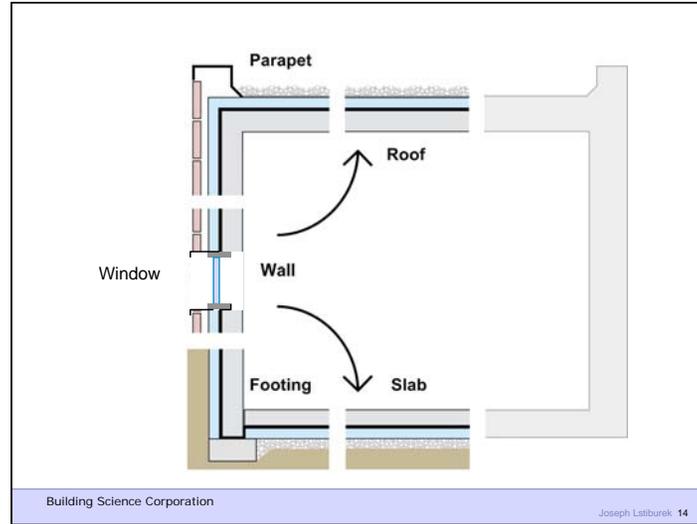
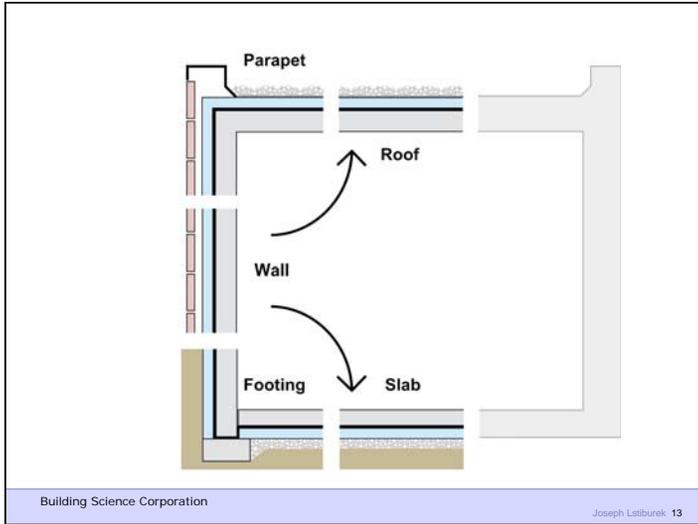


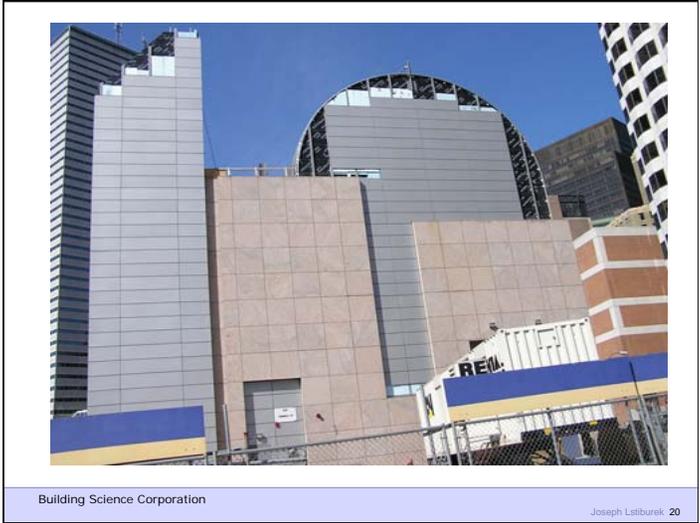
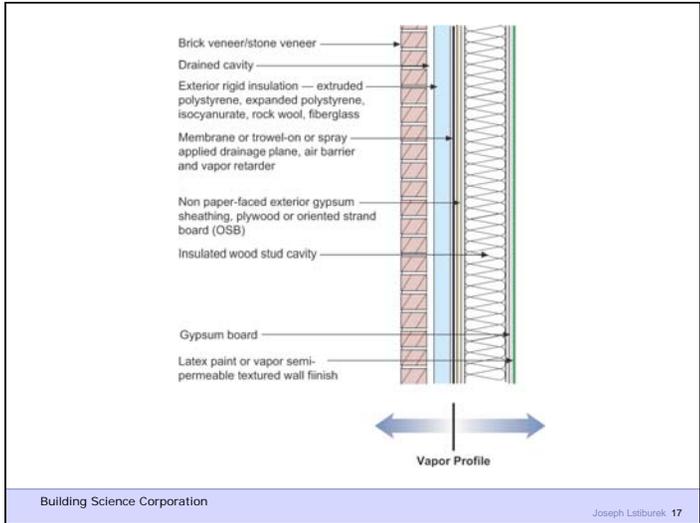
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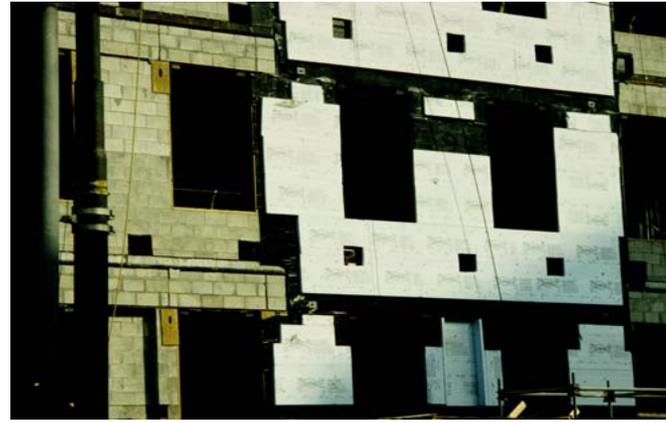






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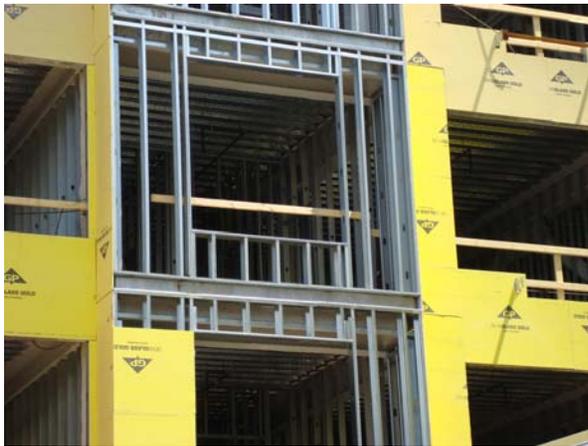
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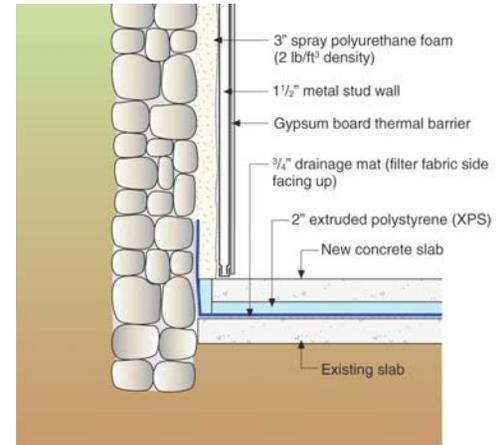
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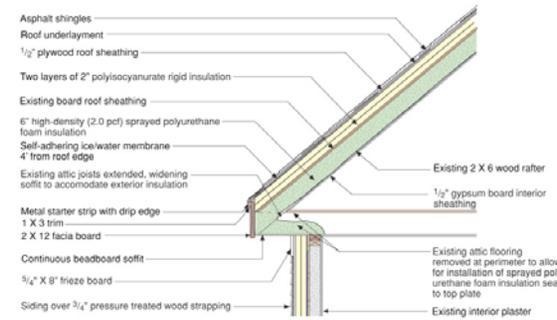
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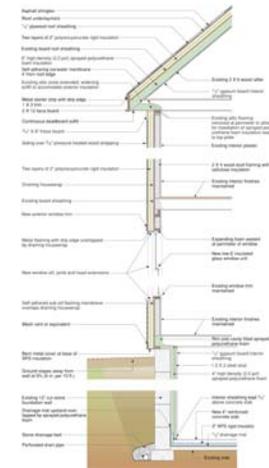
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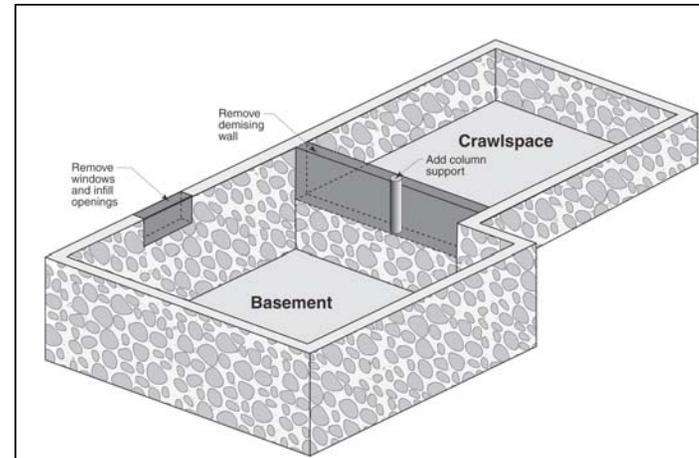


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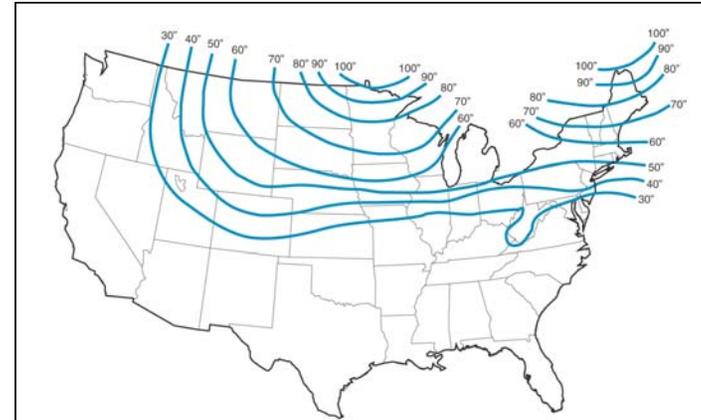
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From the US Army Corps Engineers Extreme Frost Penetration
(in inches) based on state averages.

