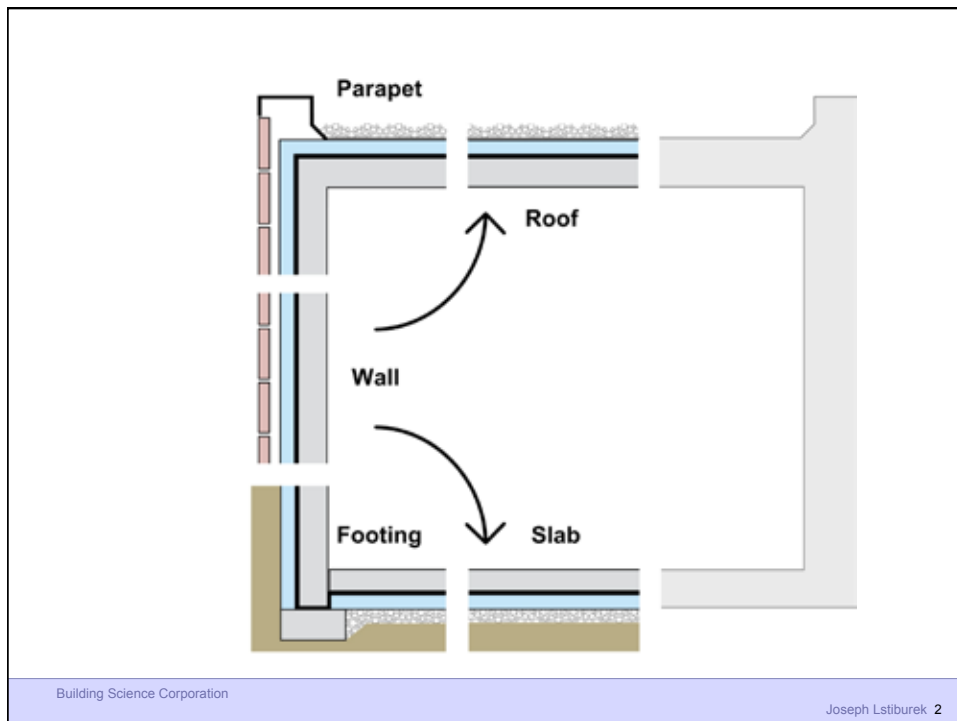


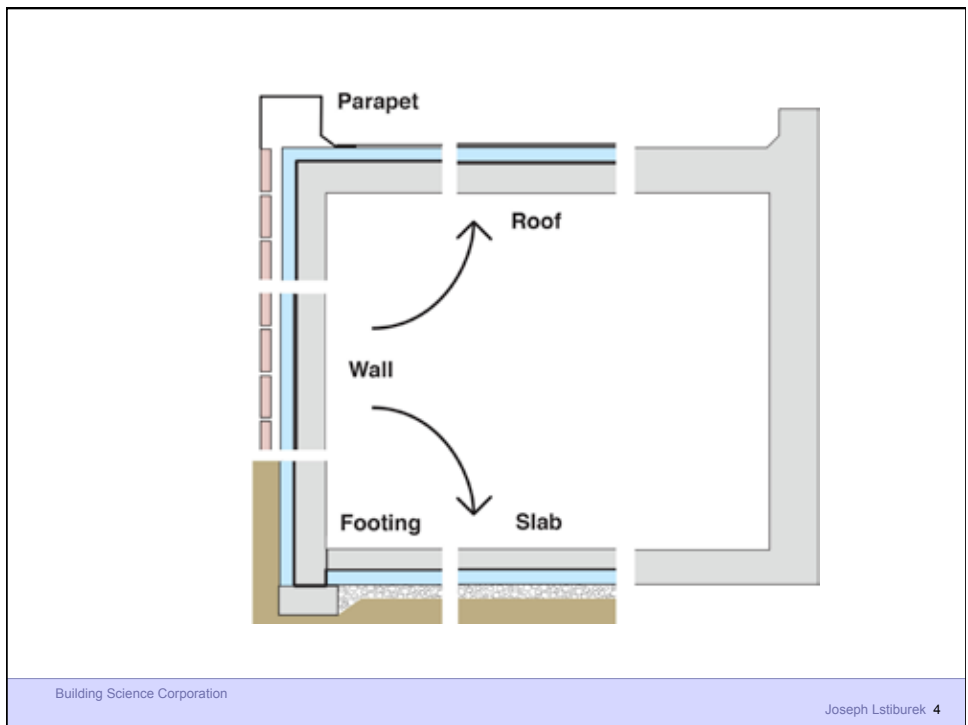
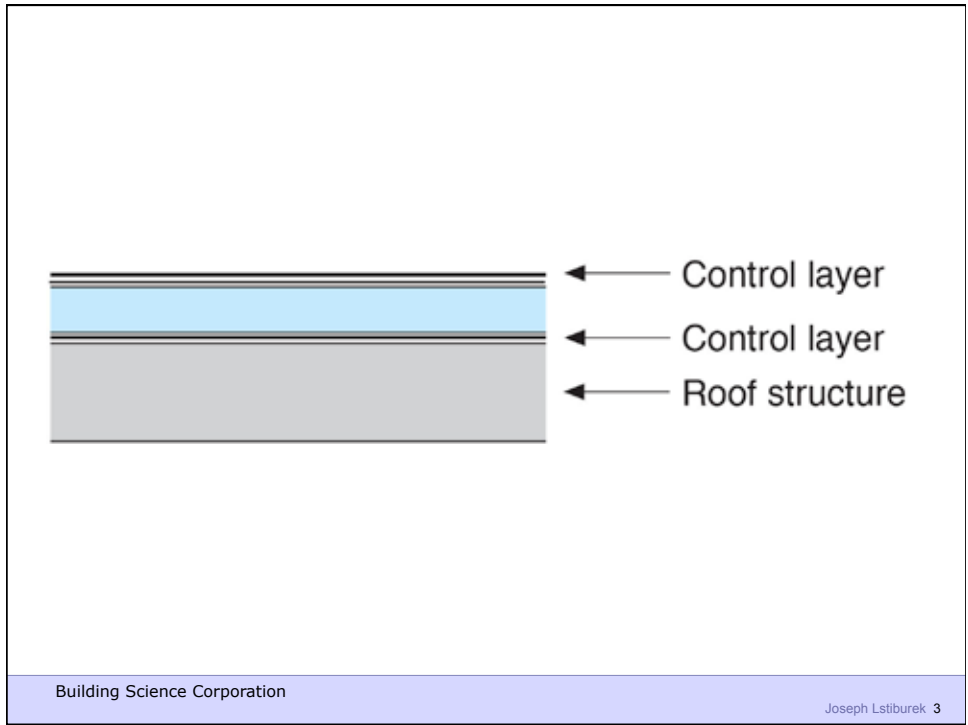
Joseph Lstiburek, Ph.D., P.Eng, ASHRAE Fellow

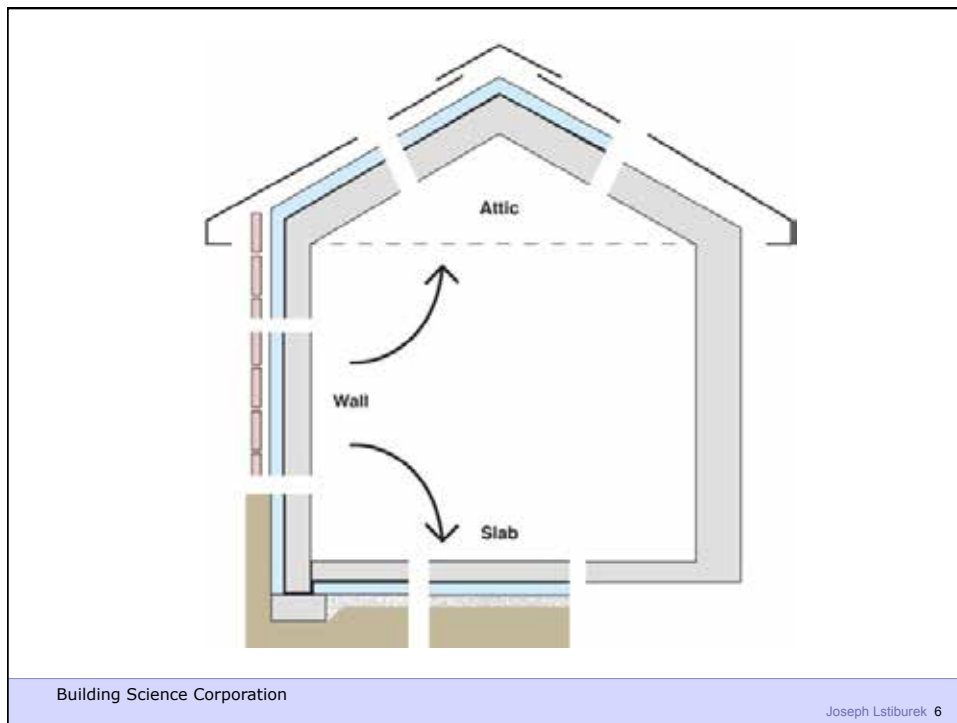
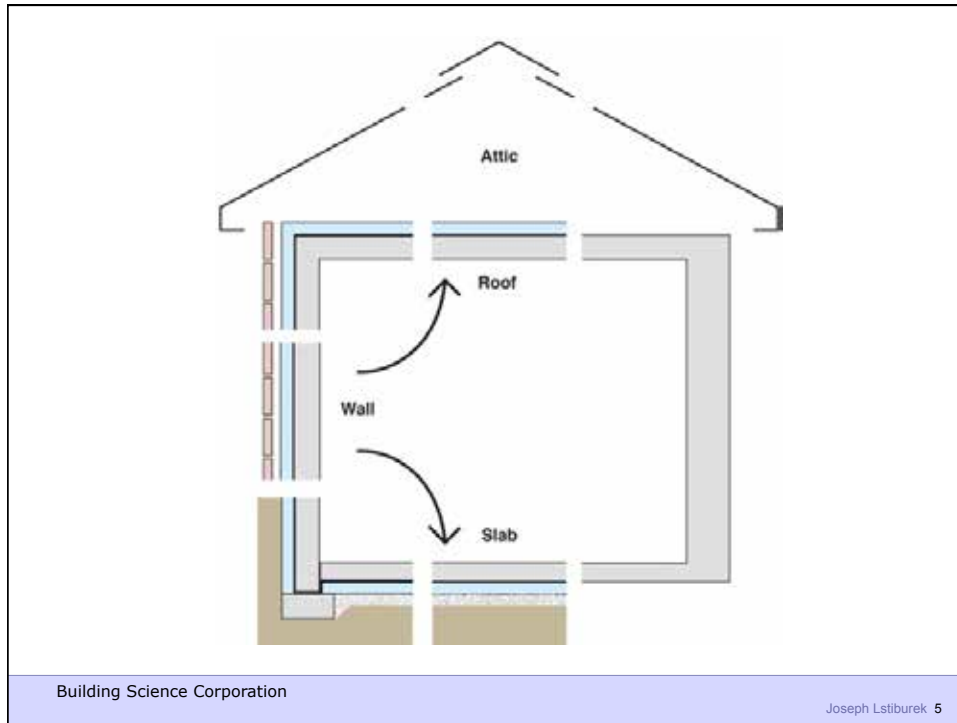
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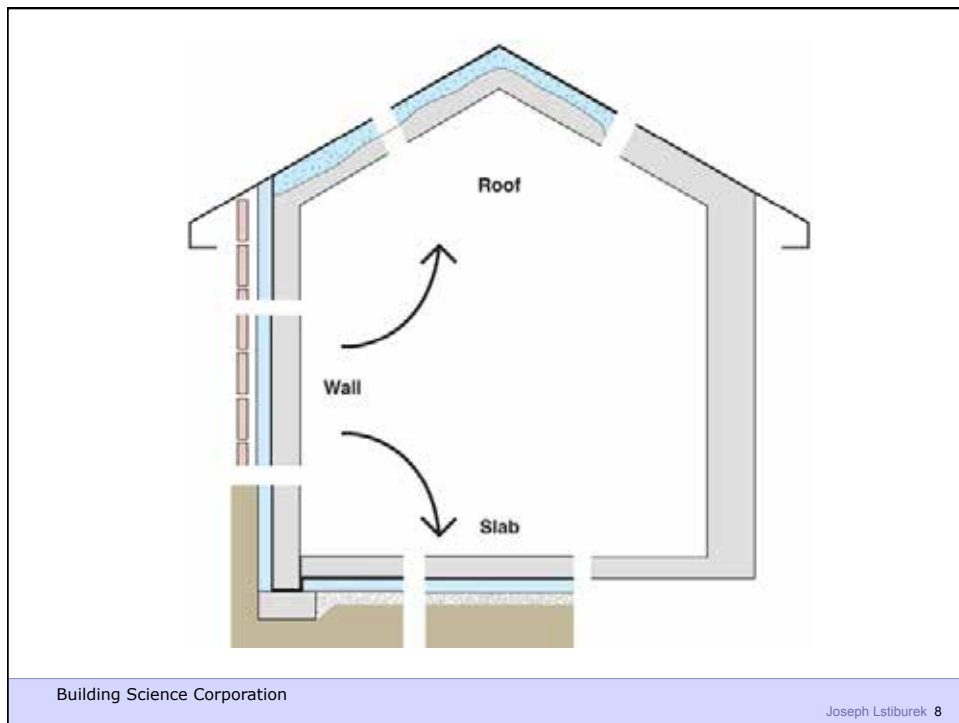
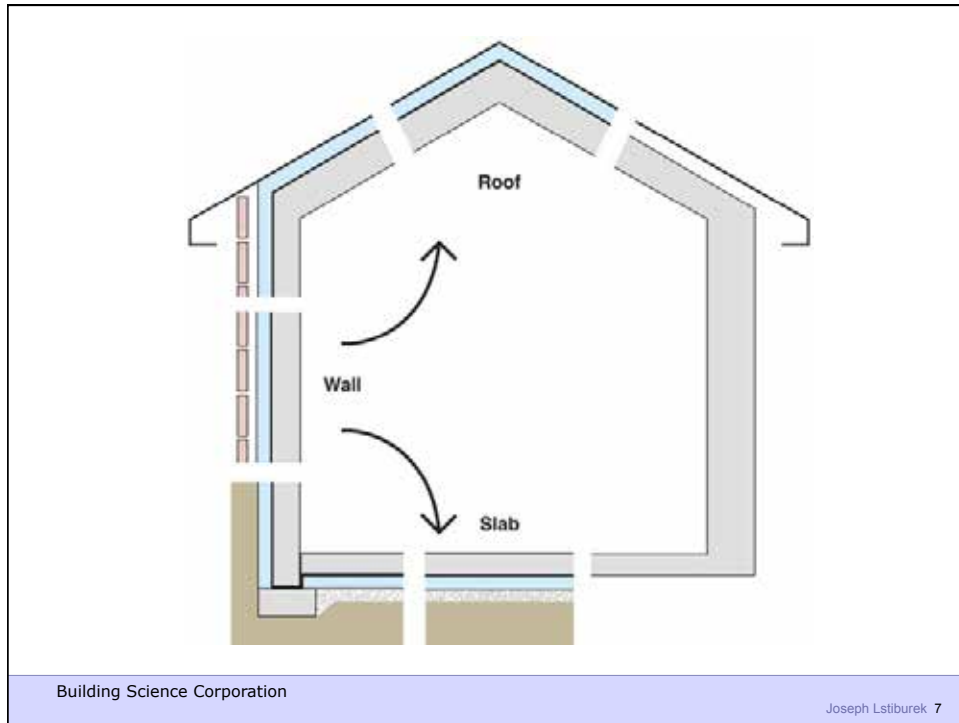
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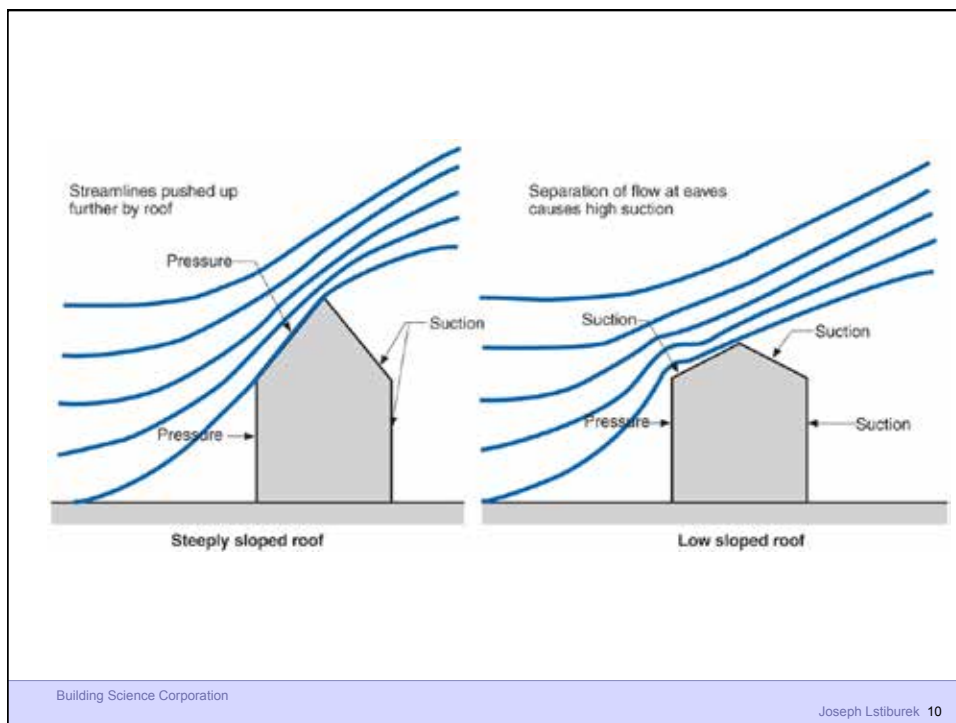
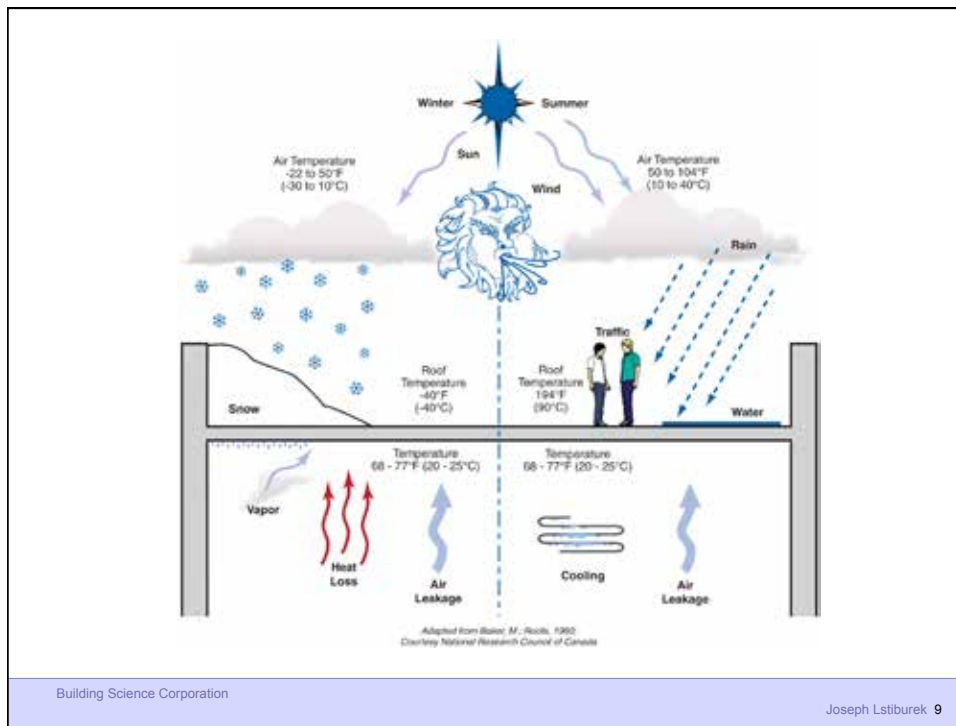
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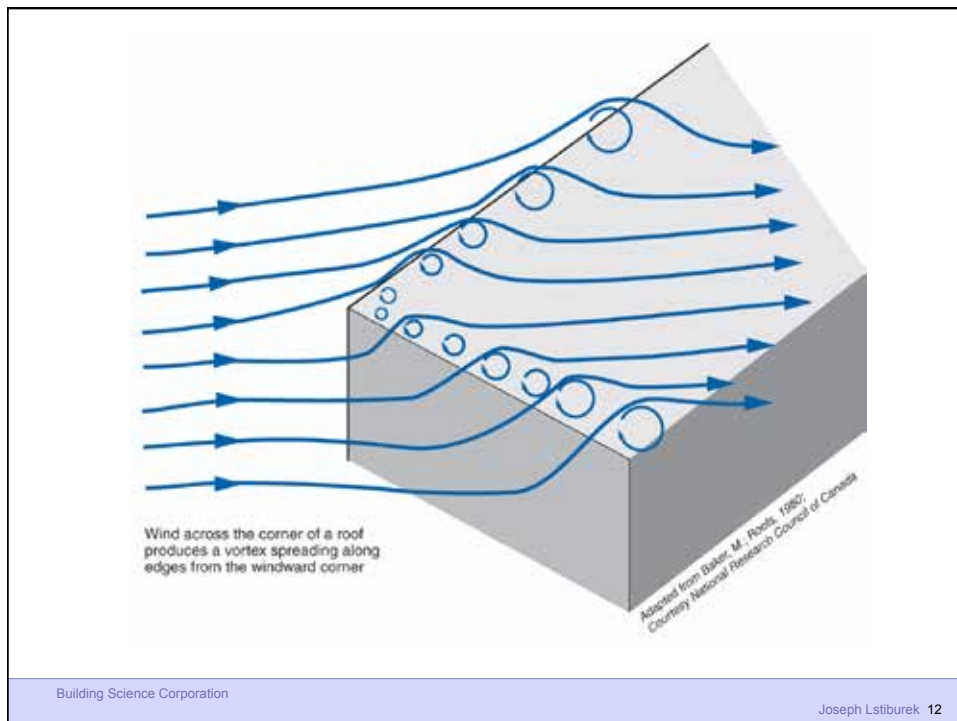
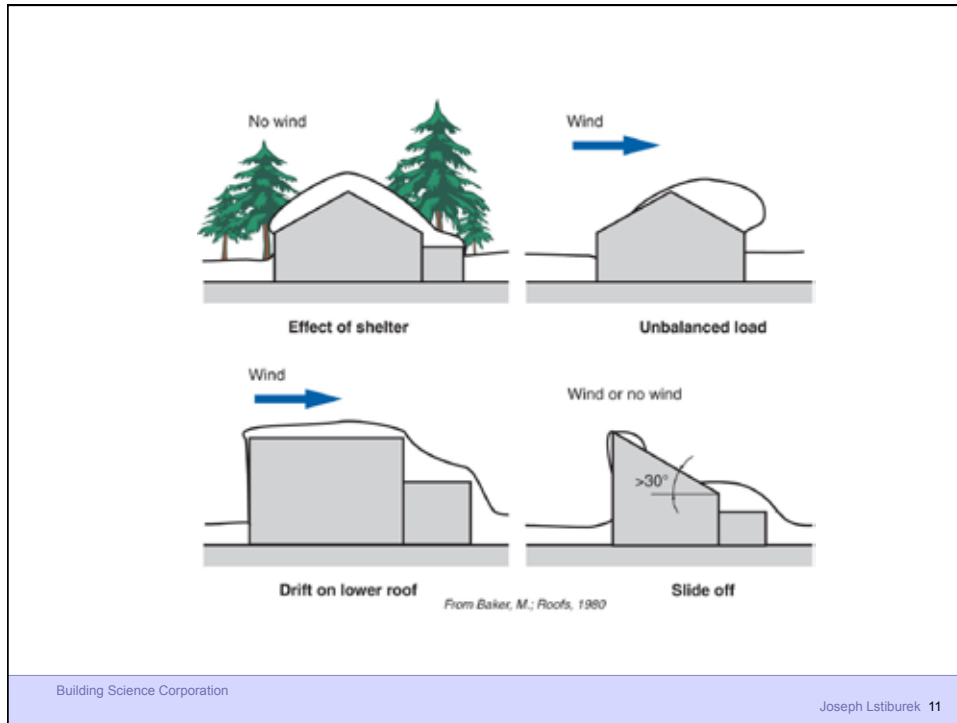


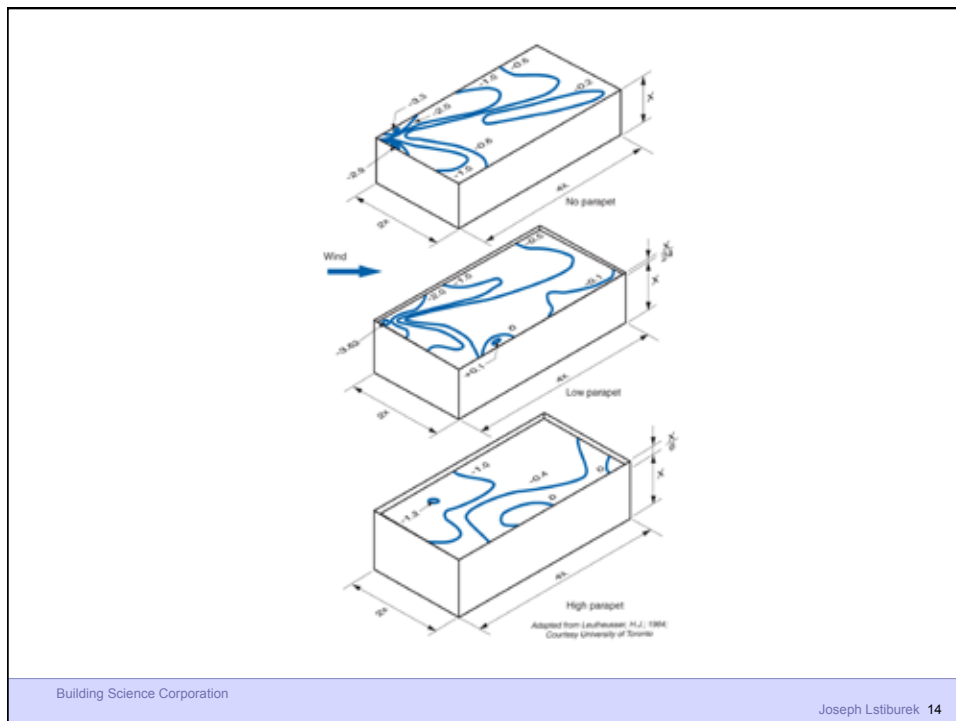
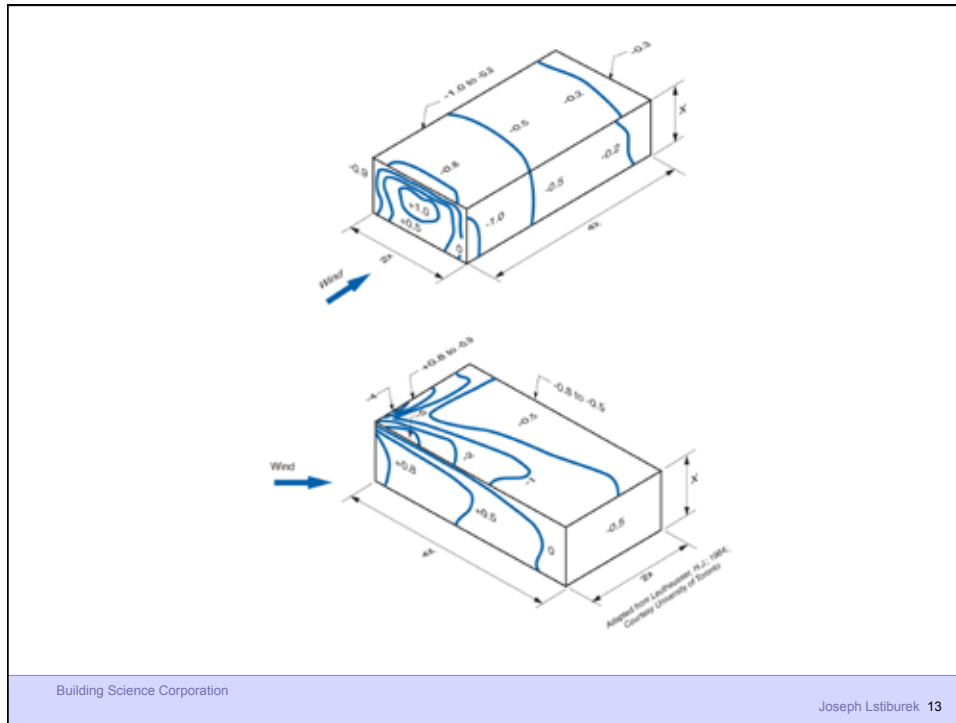


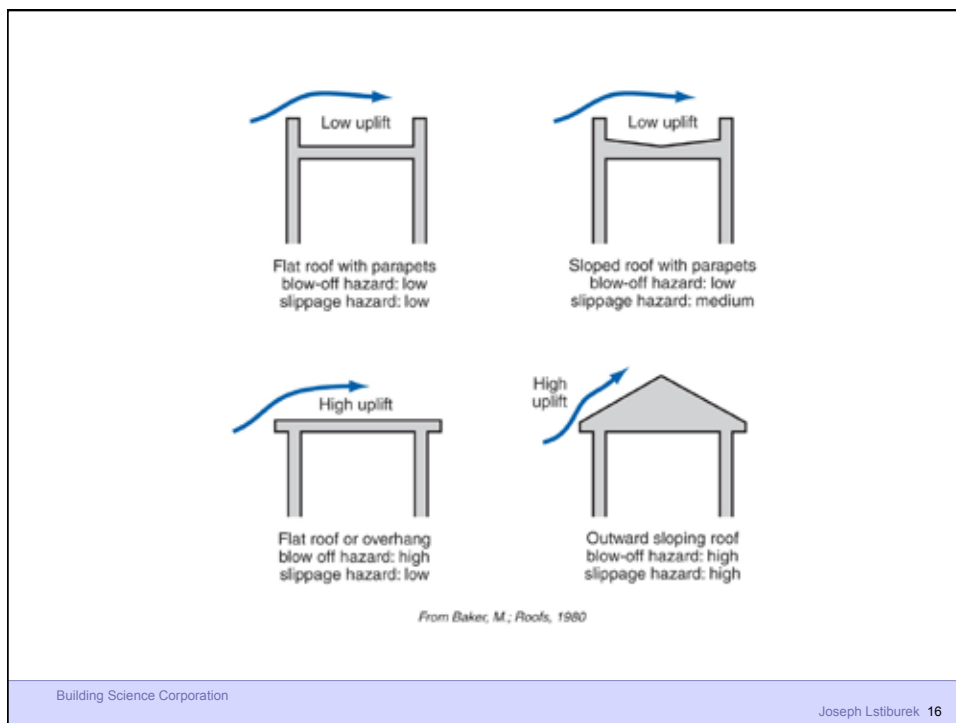
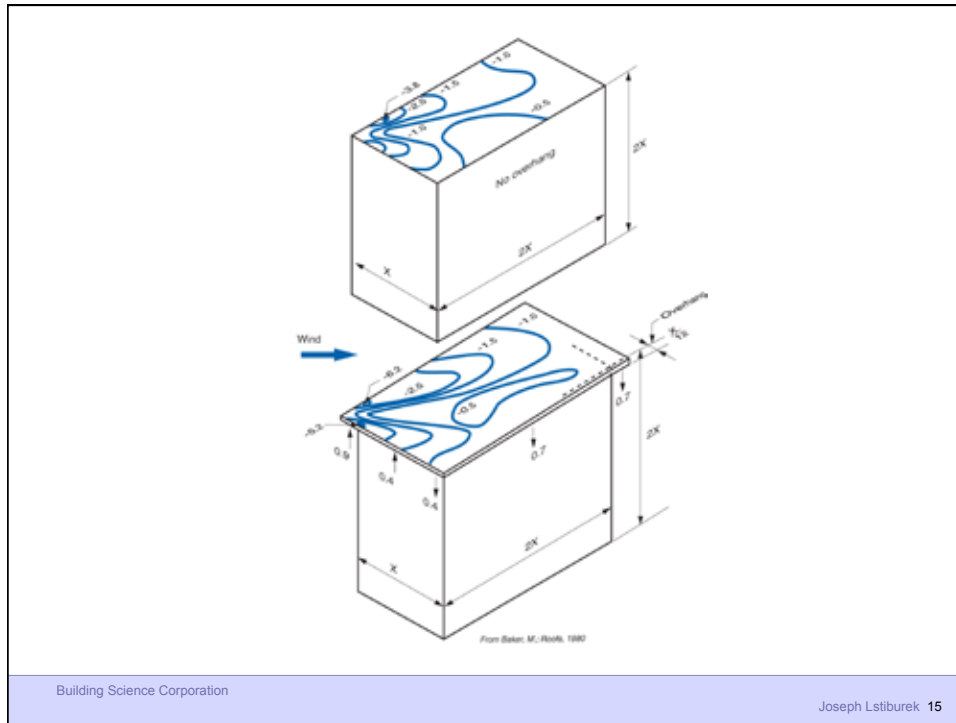


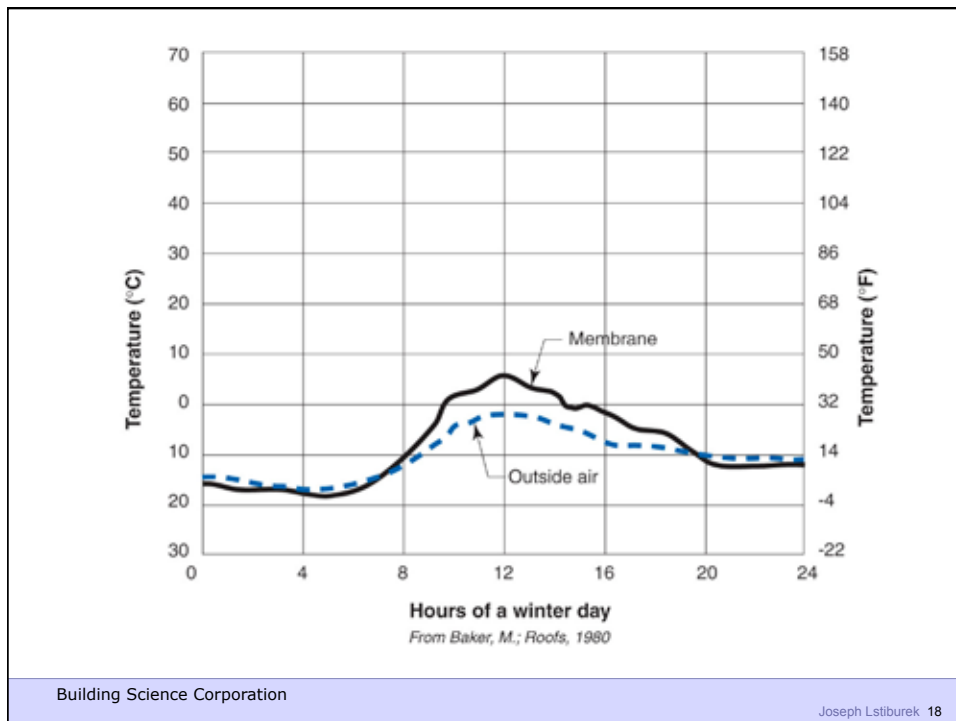
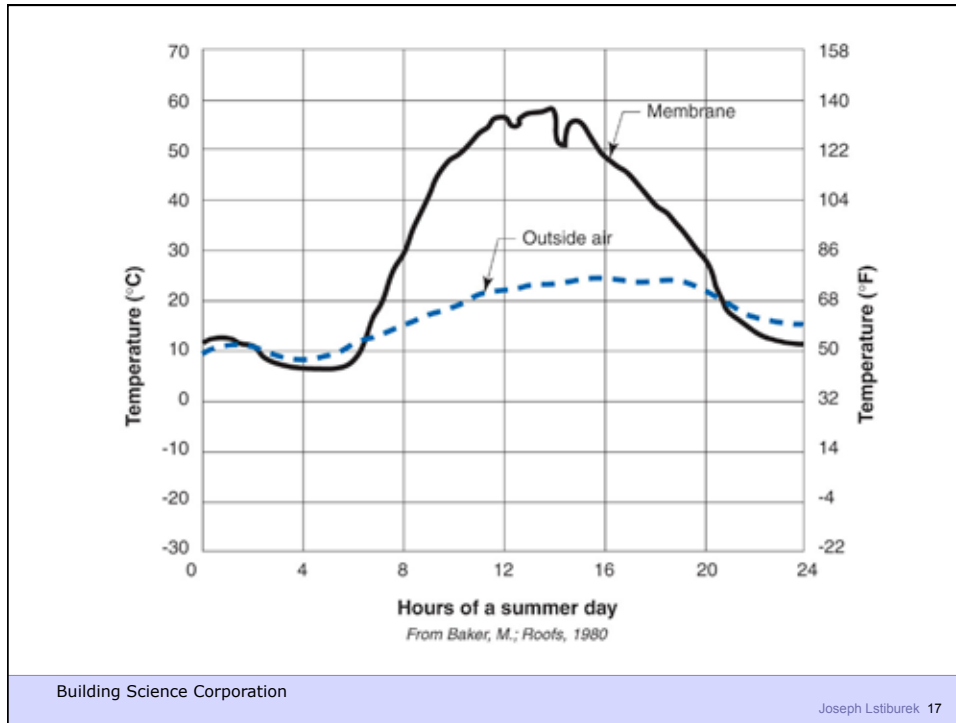


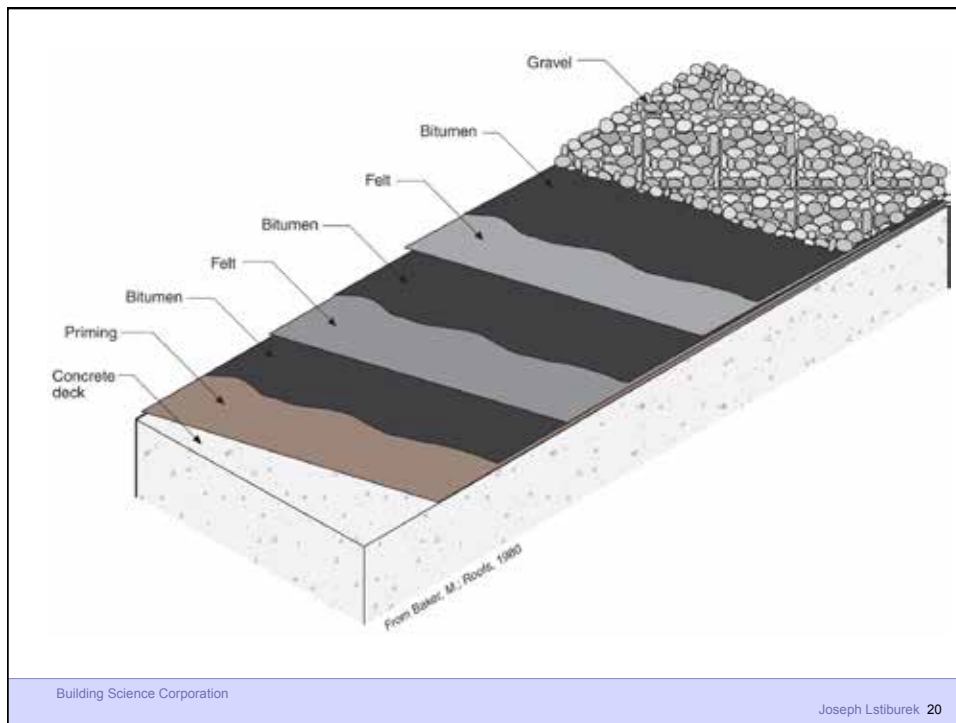
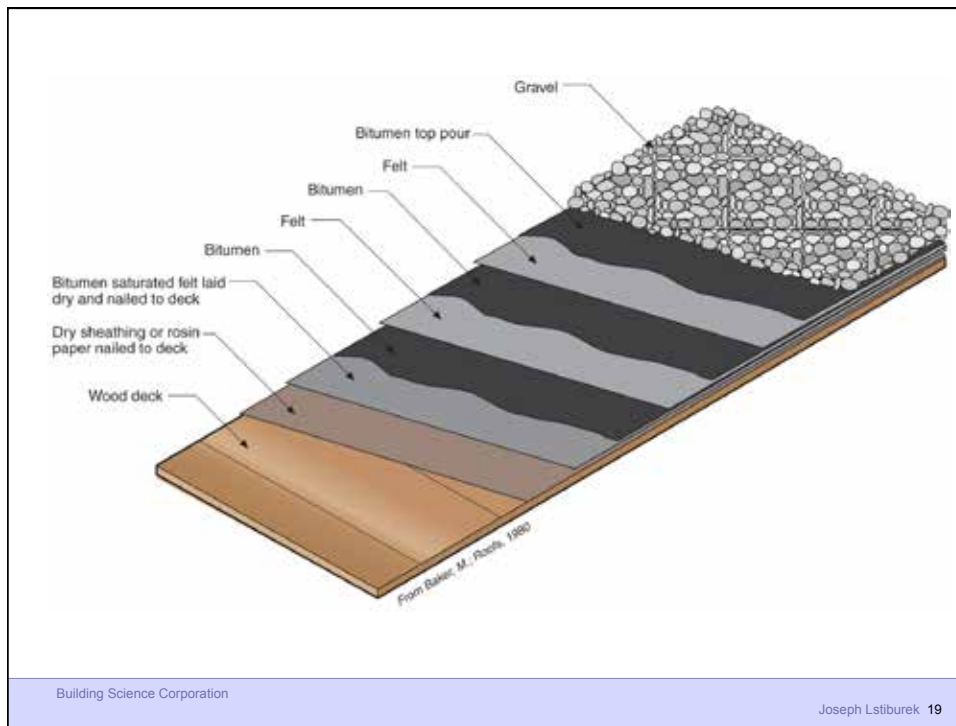


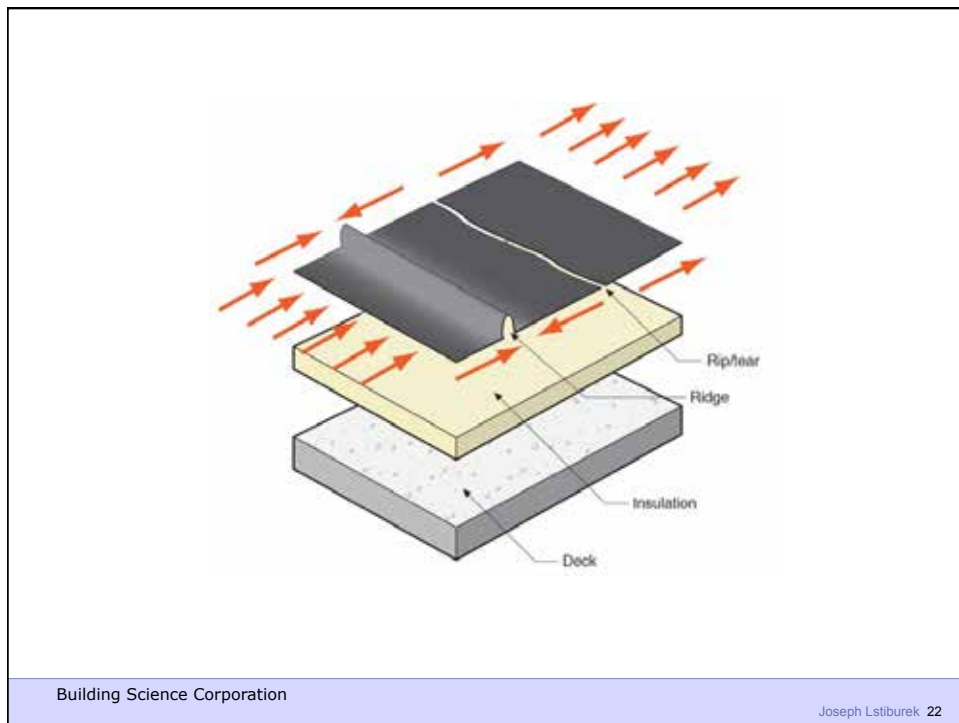
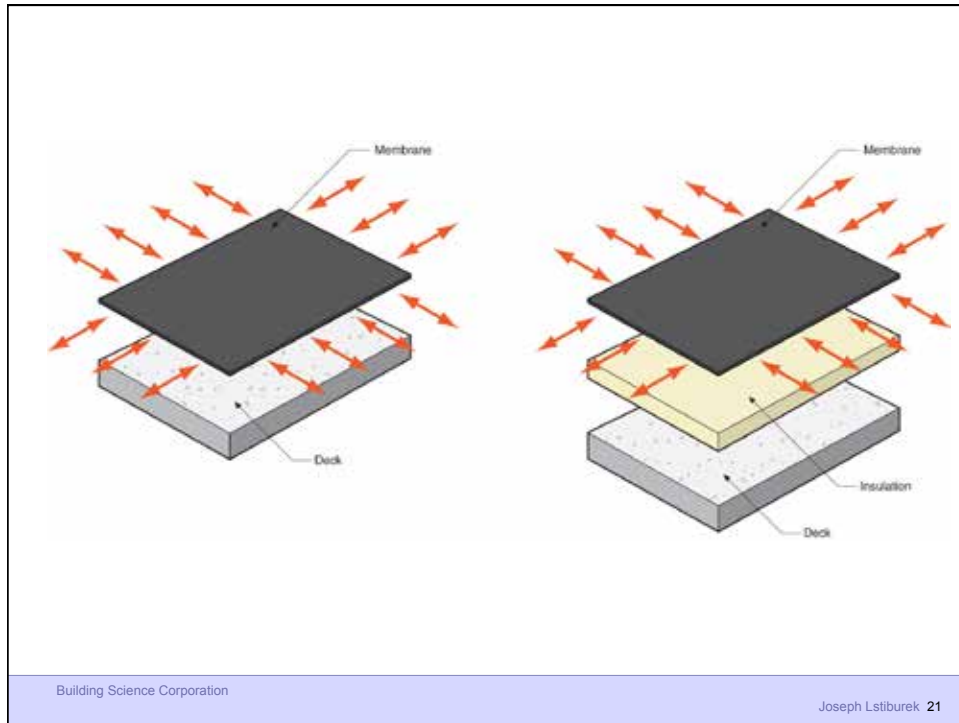


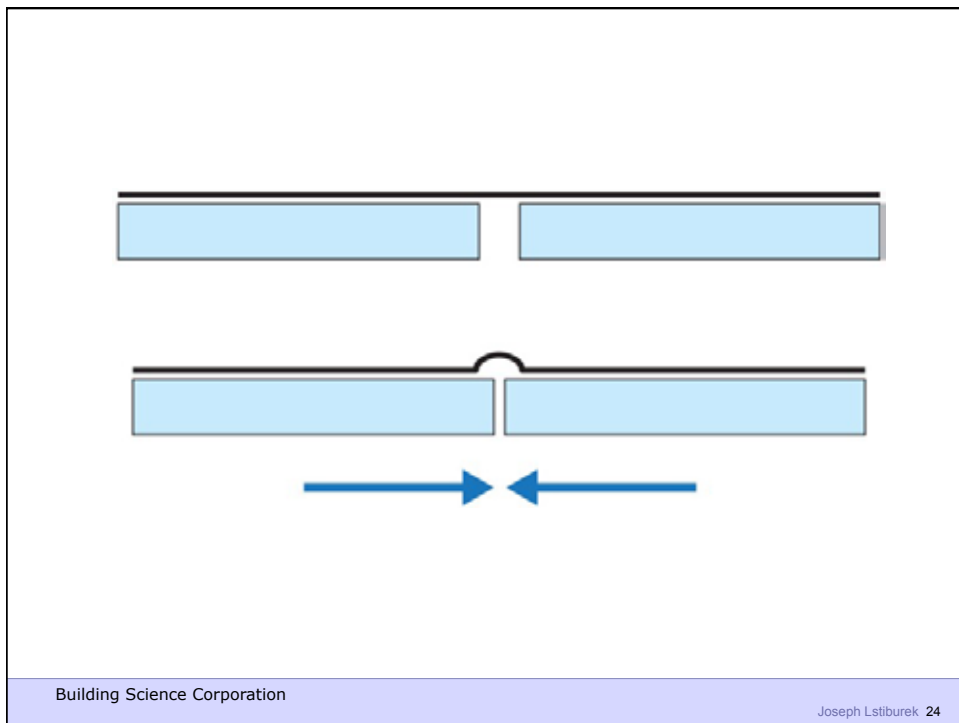








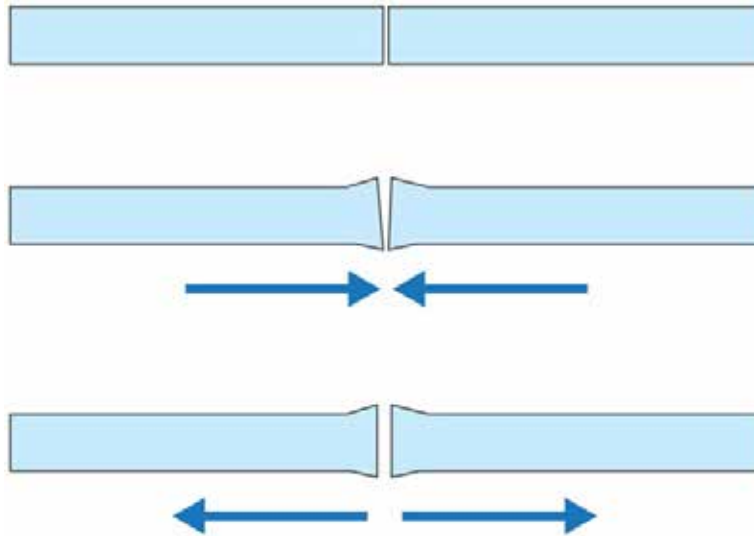






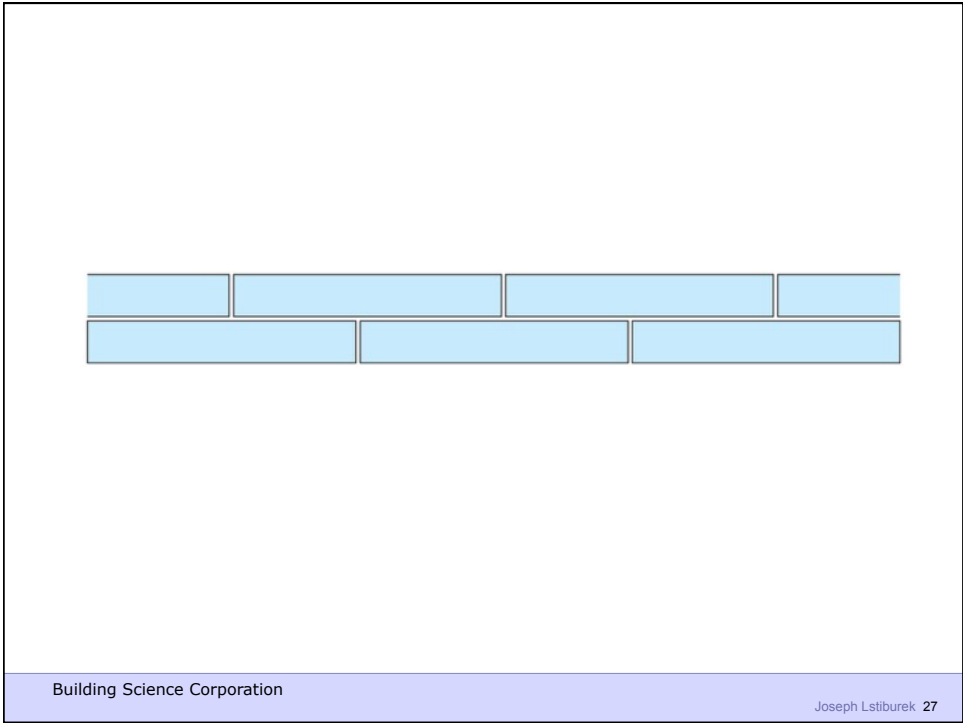
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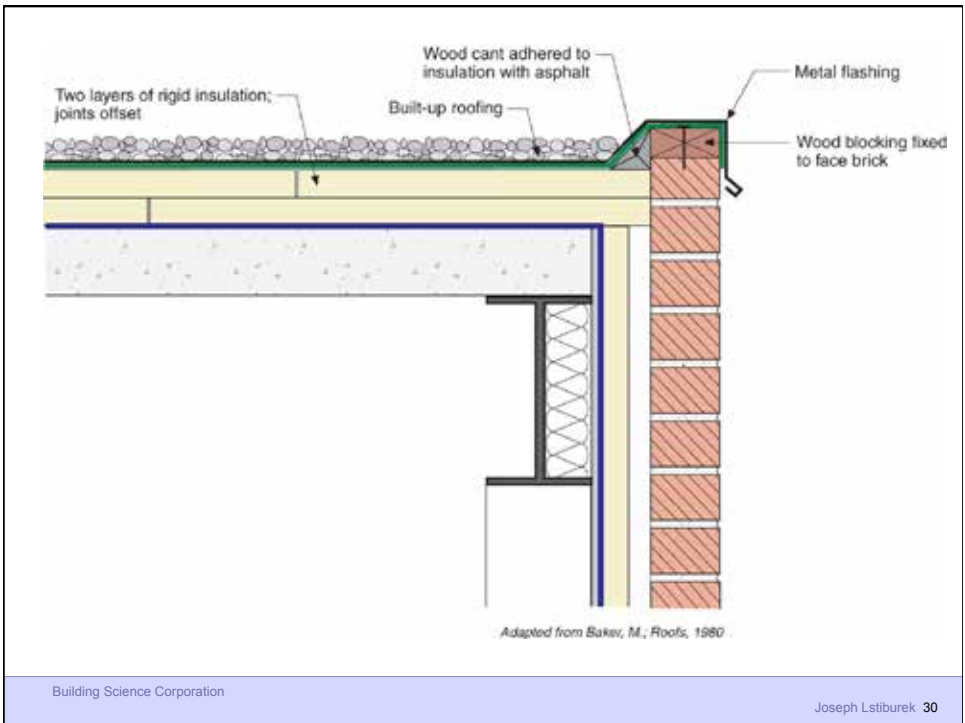
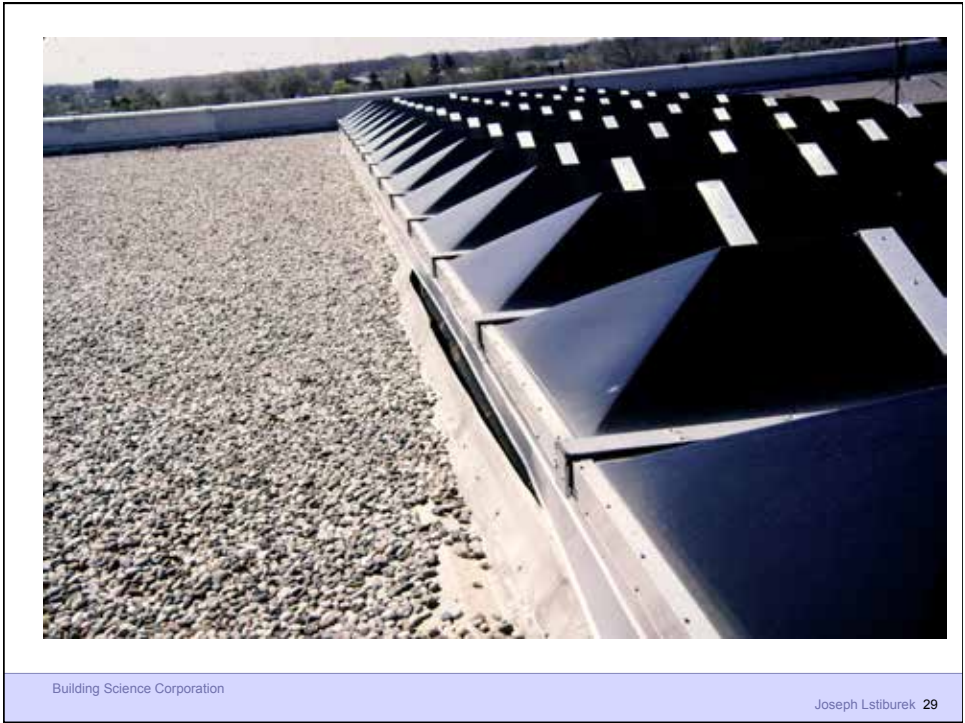
Joseph Lstiburek 25

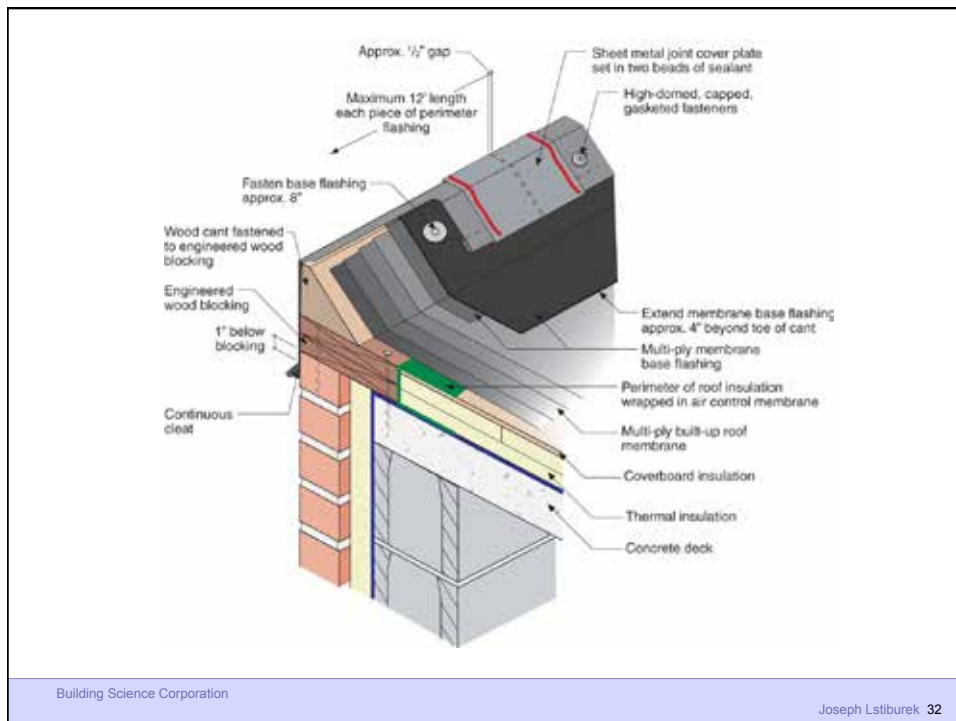
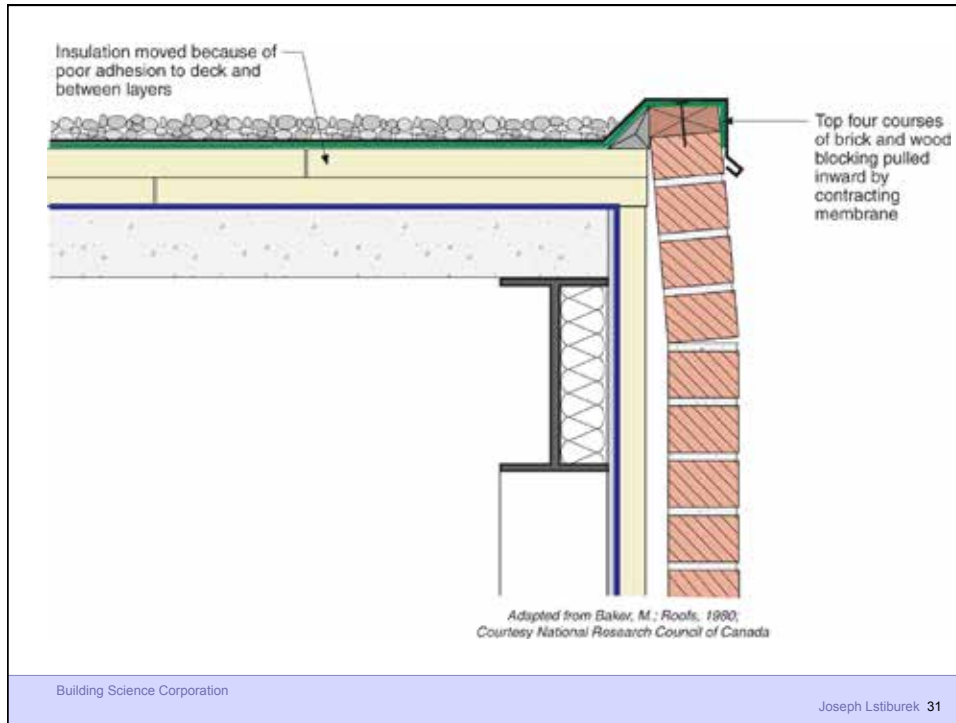


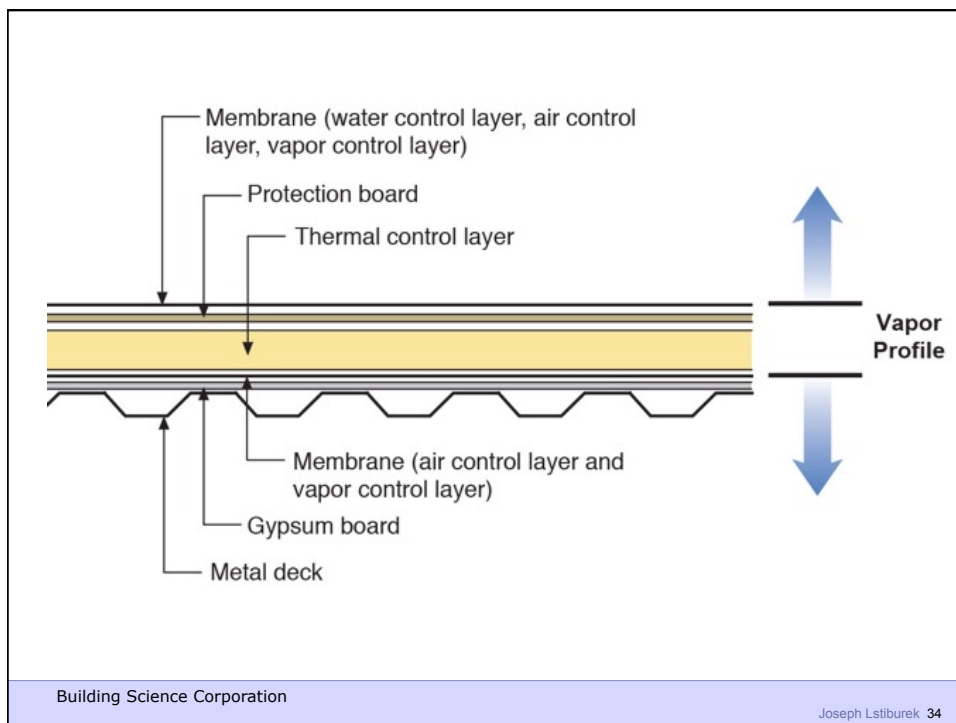
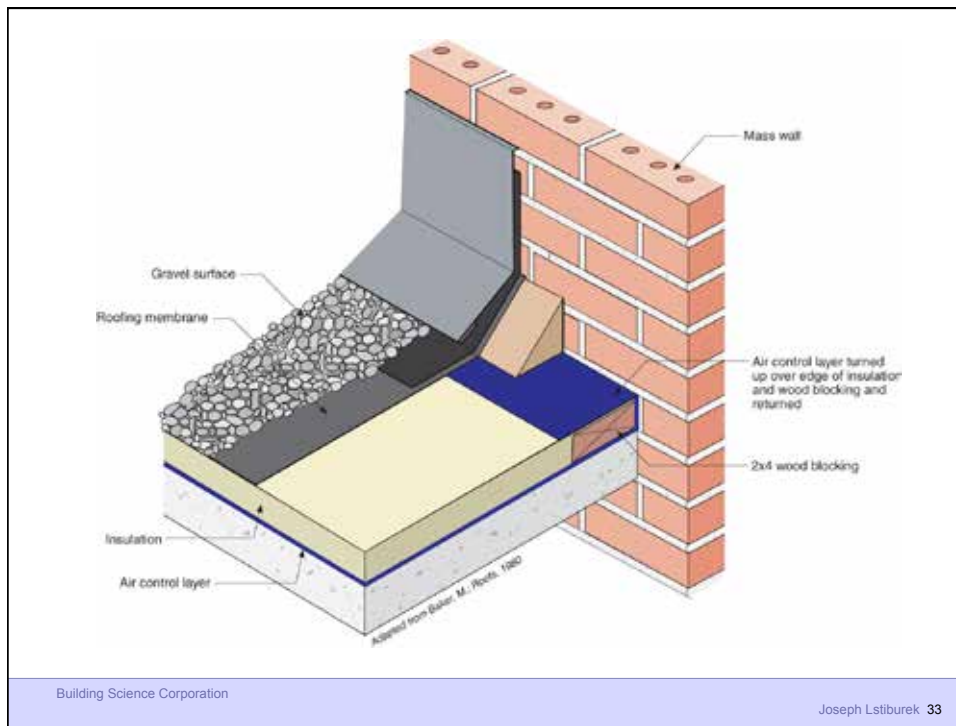
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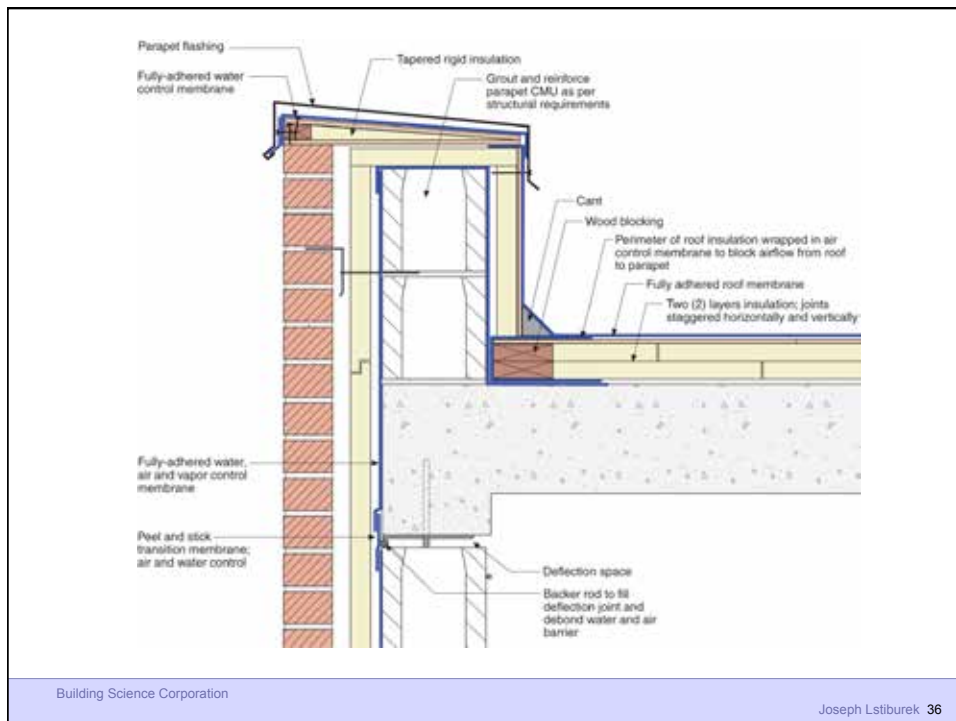
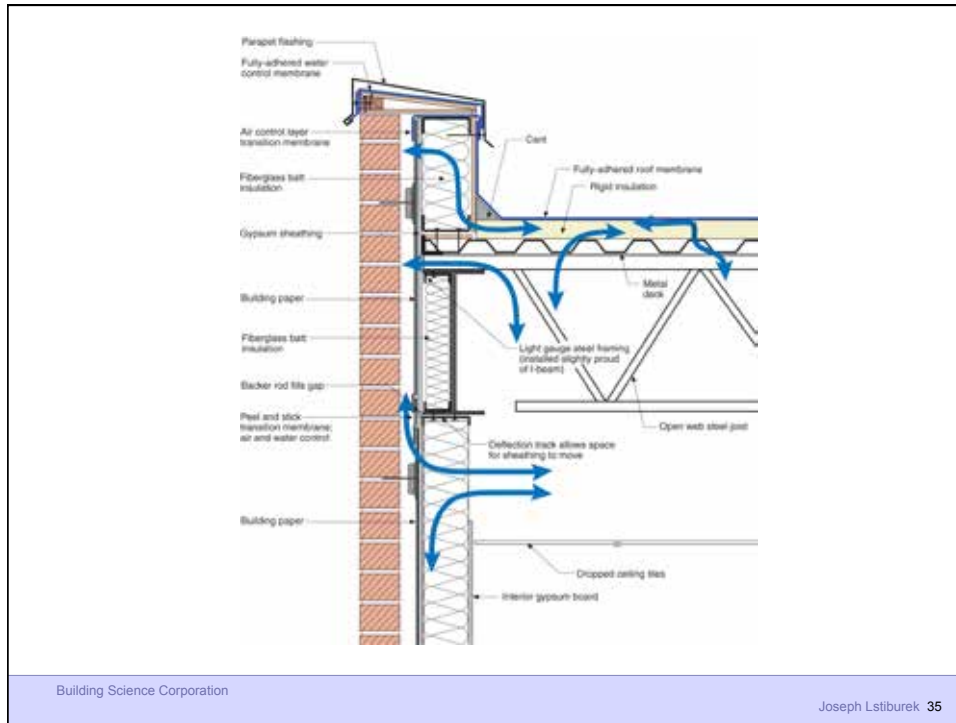
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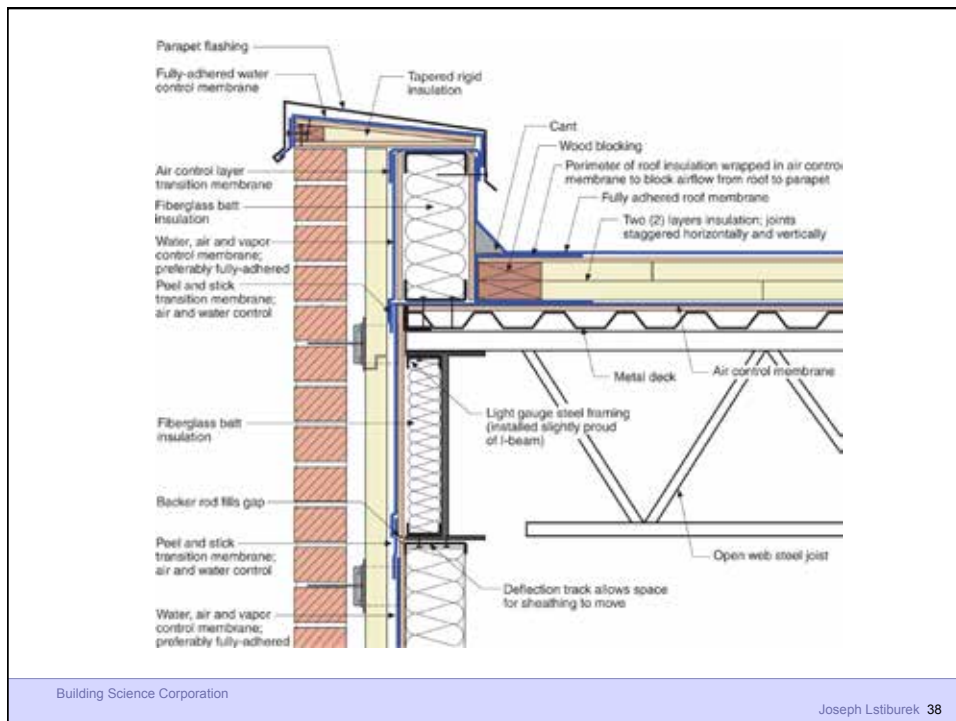
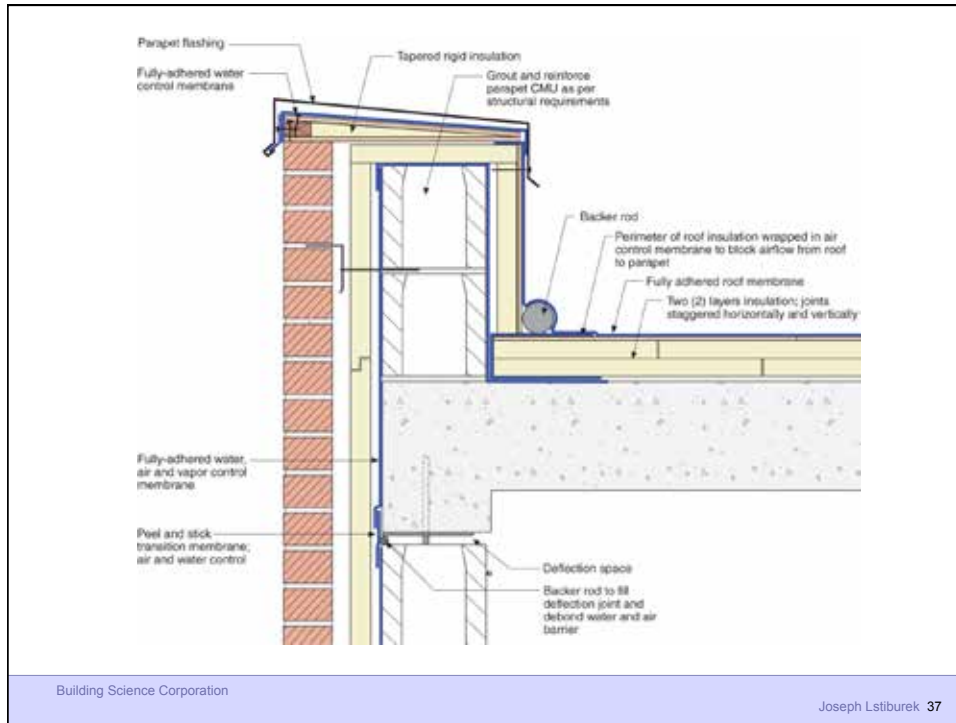


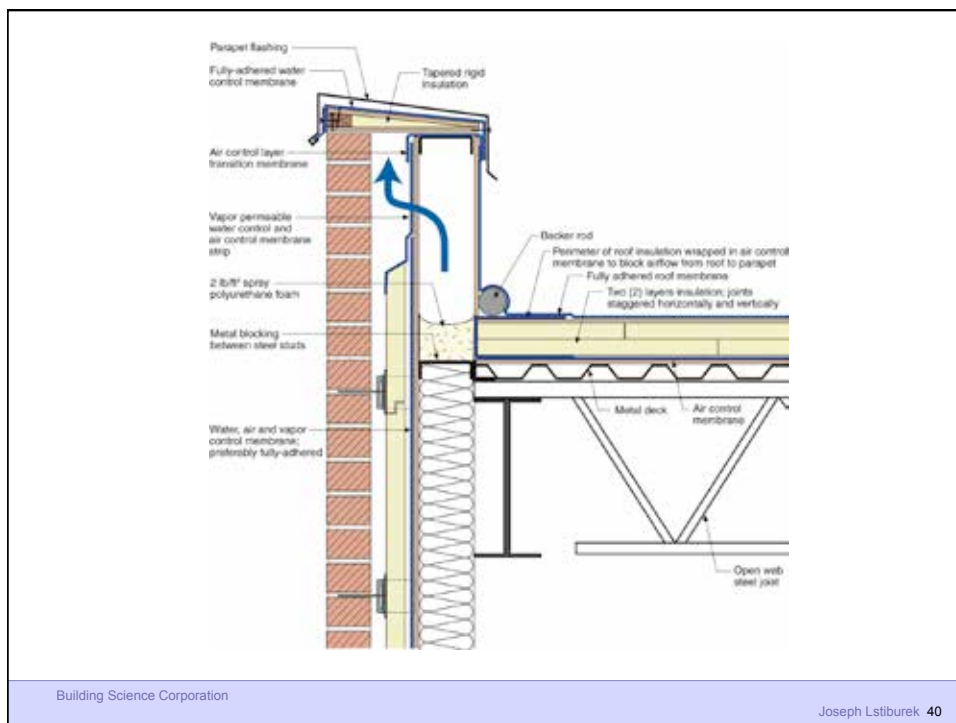
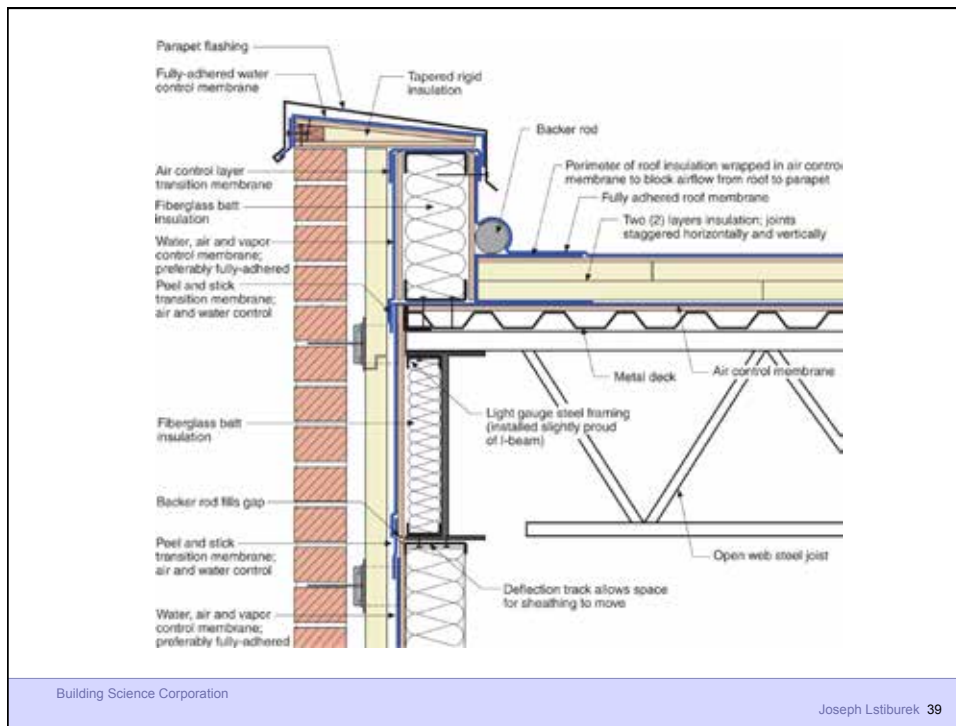


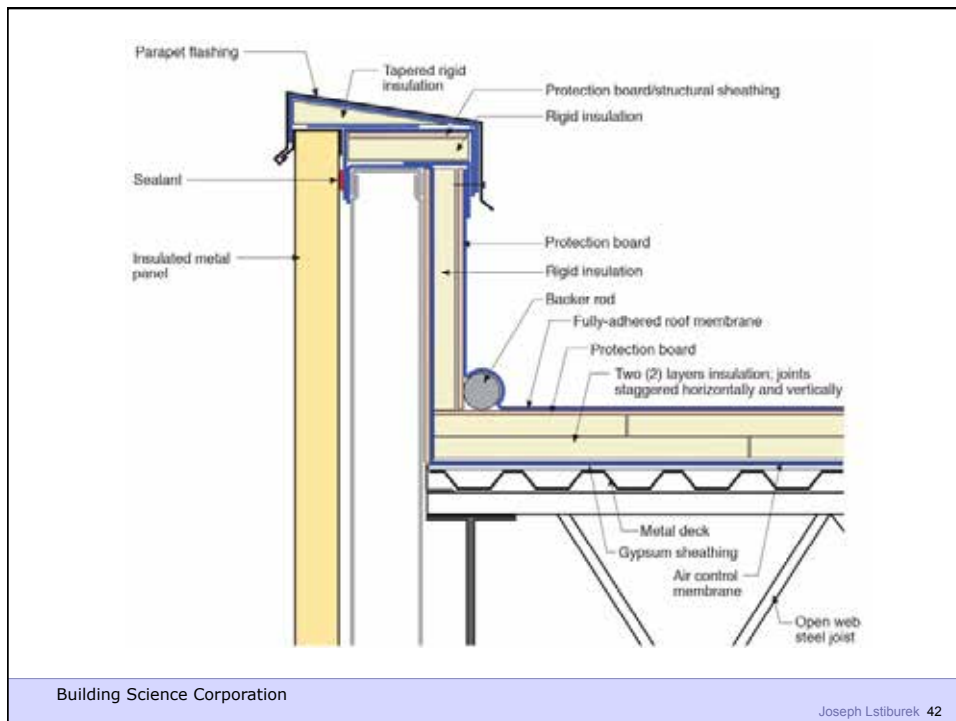
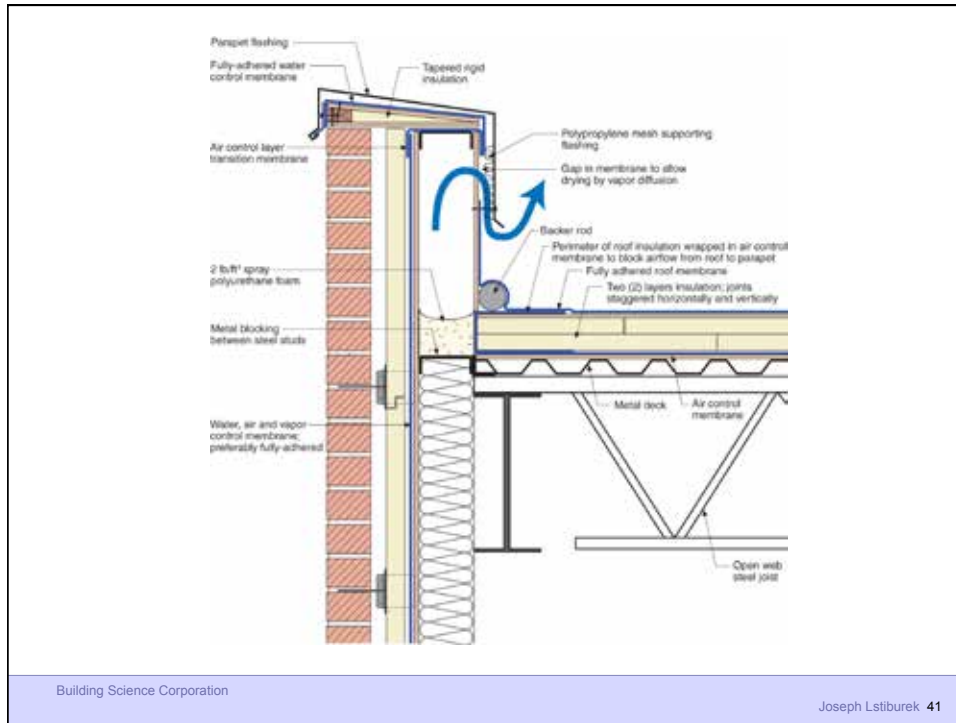


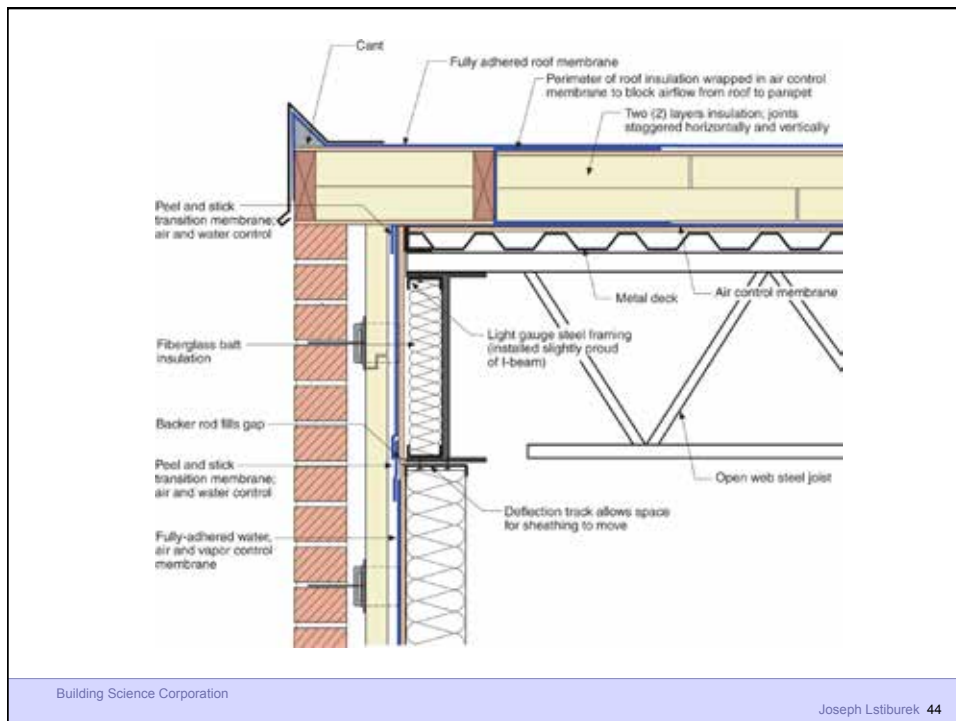
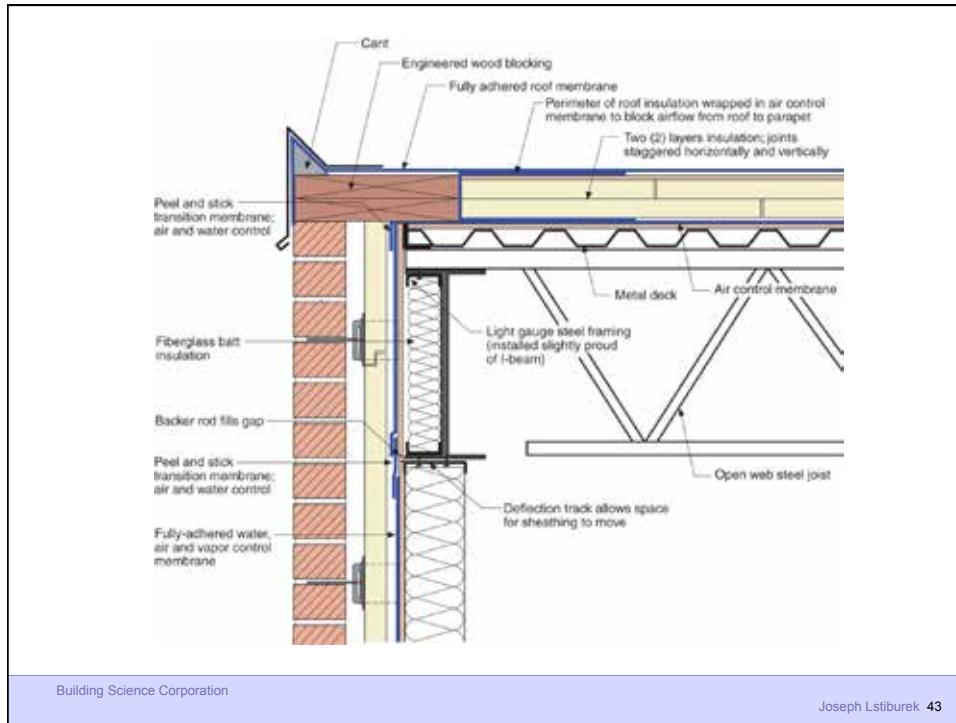


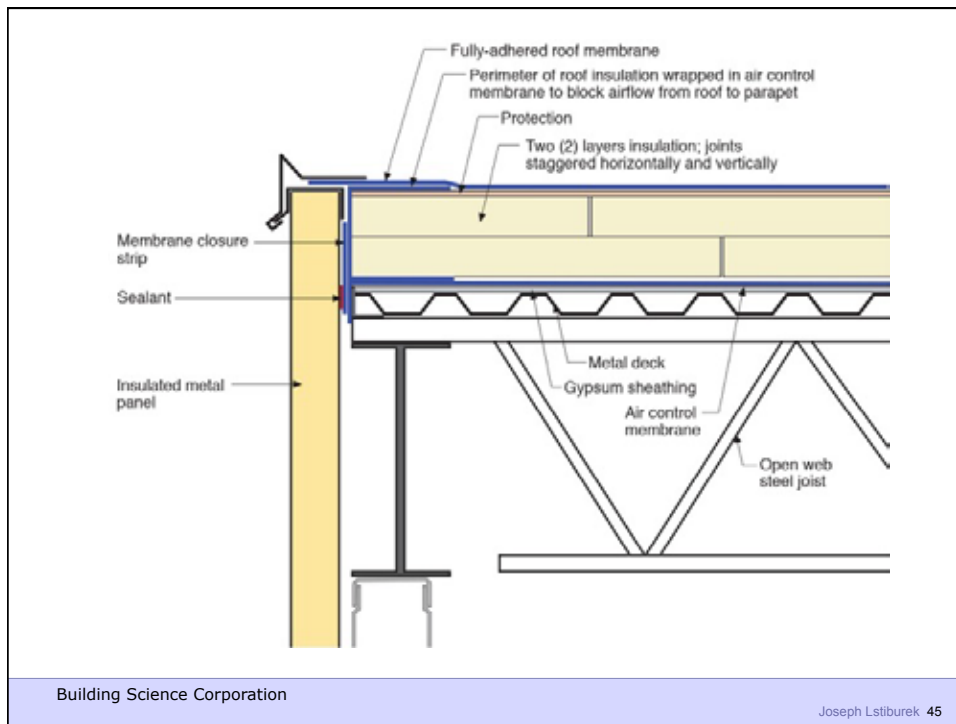












It's a Case of Black or White

It's a Case of Black or White Arrhenius

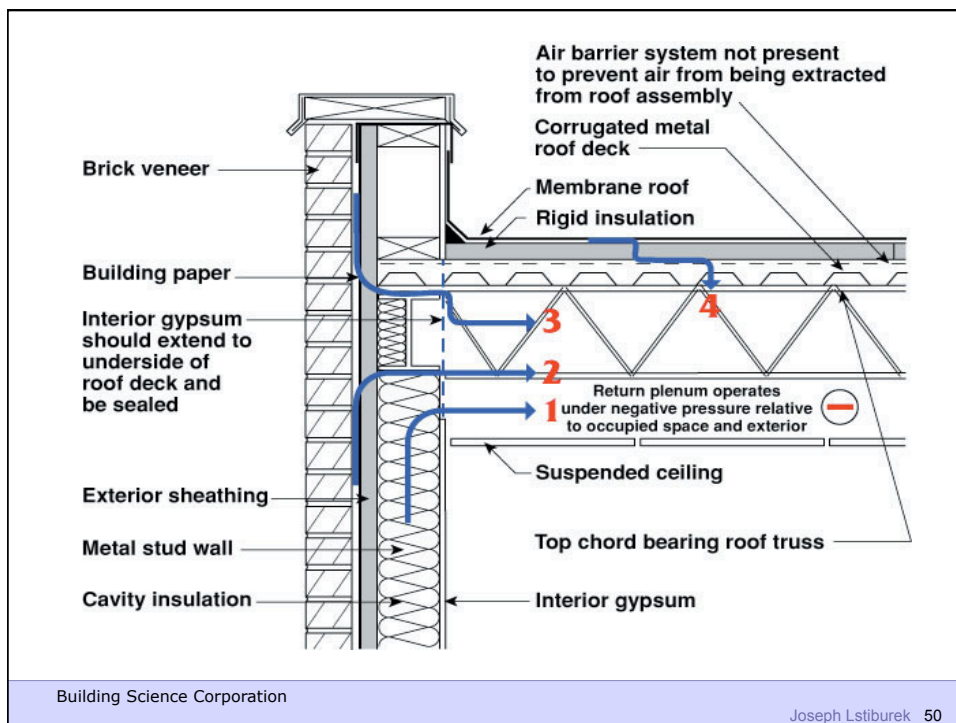
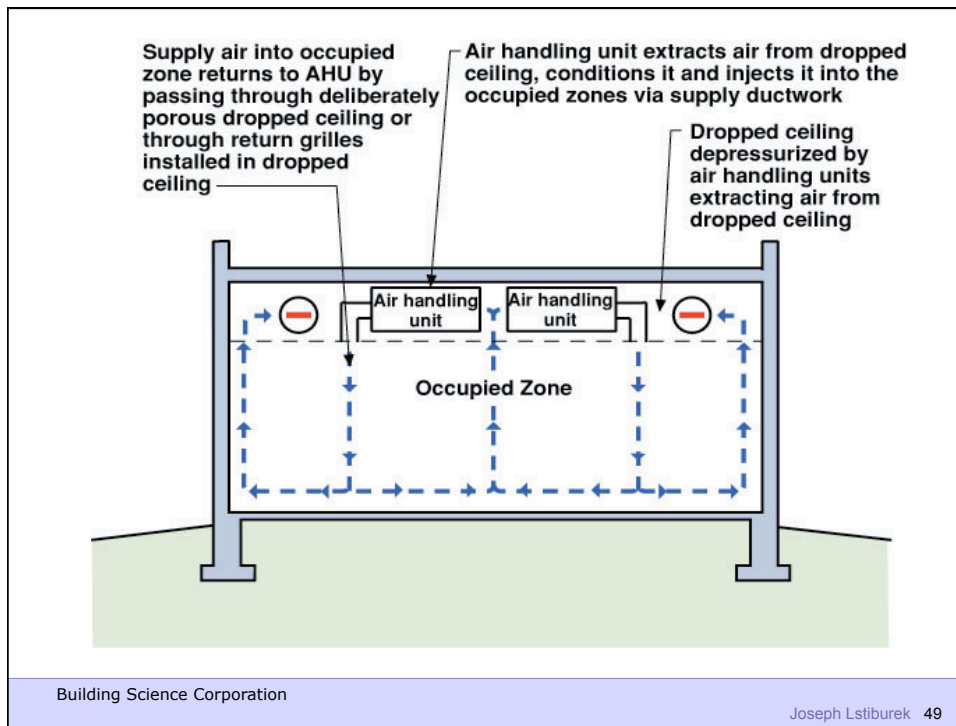
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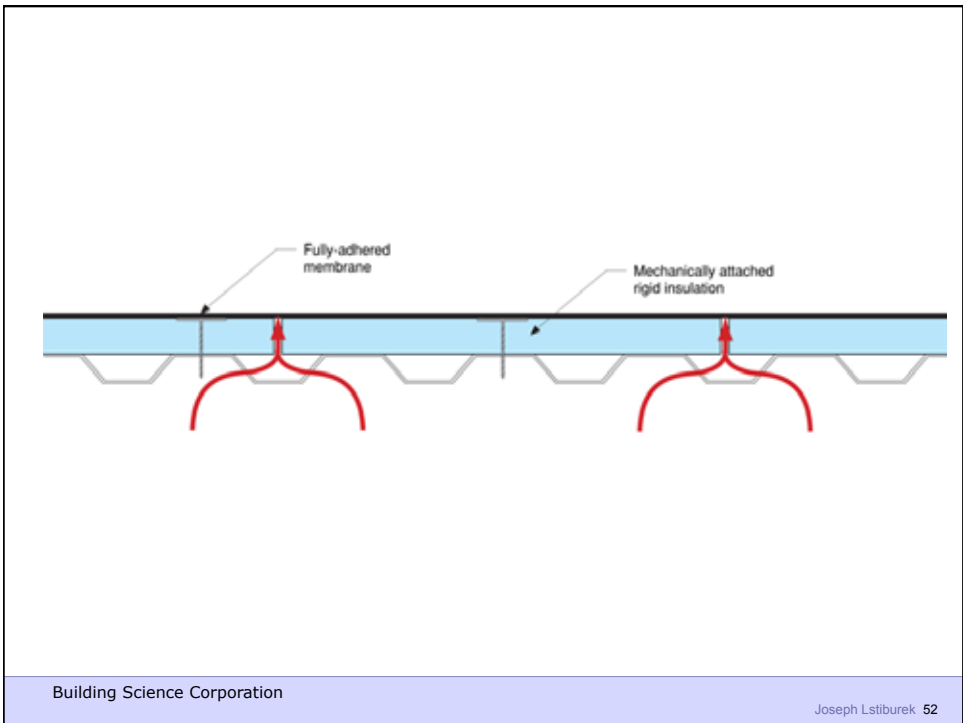
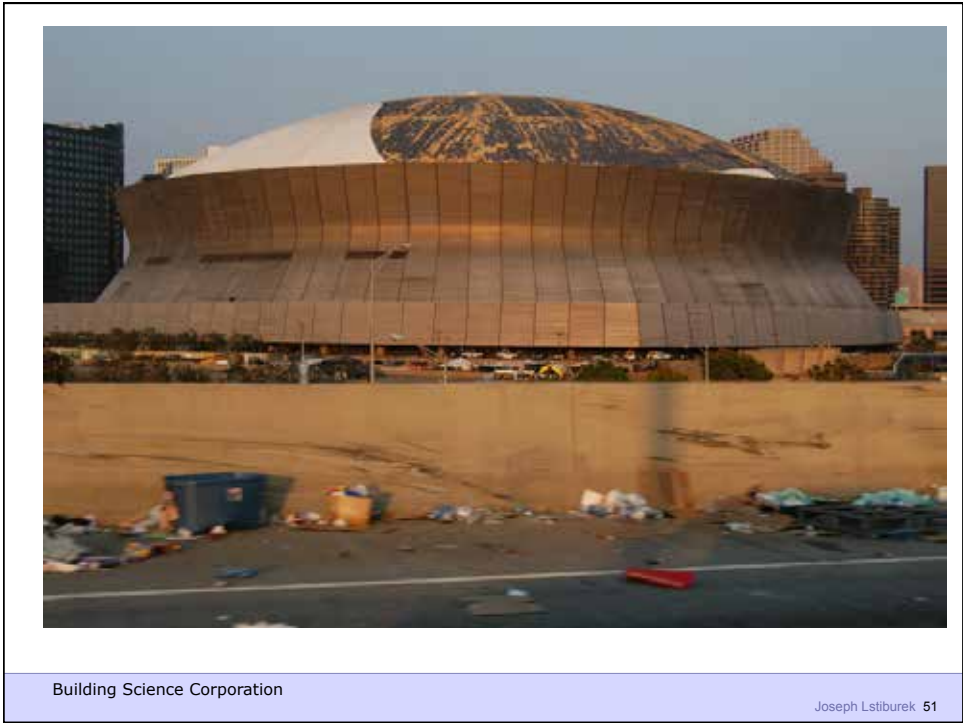
Joseph Lstiburek 47

It's a Case of Black or White
Arrhenius
Every 10 degrees C – double the “badness”

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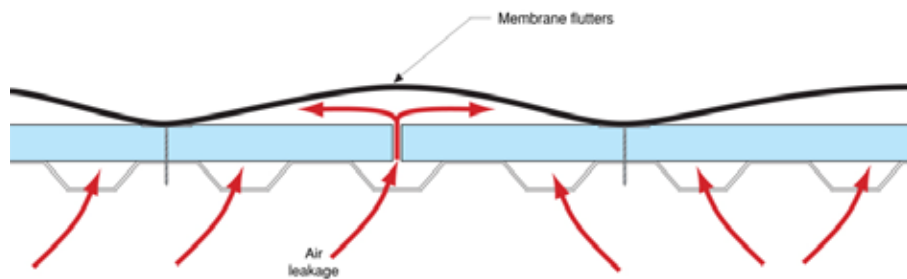






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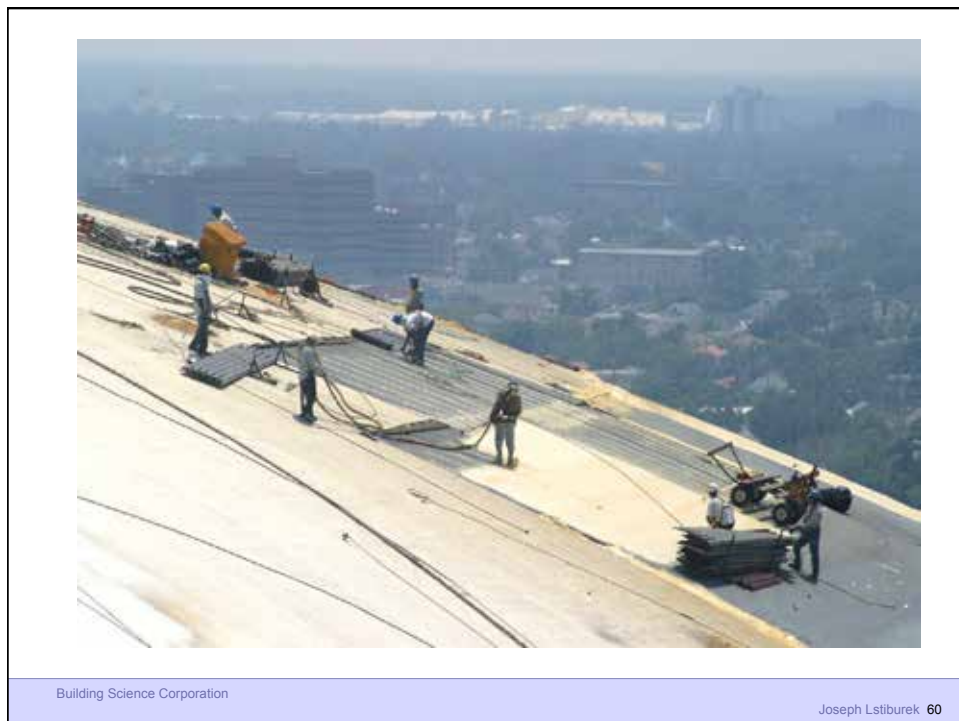
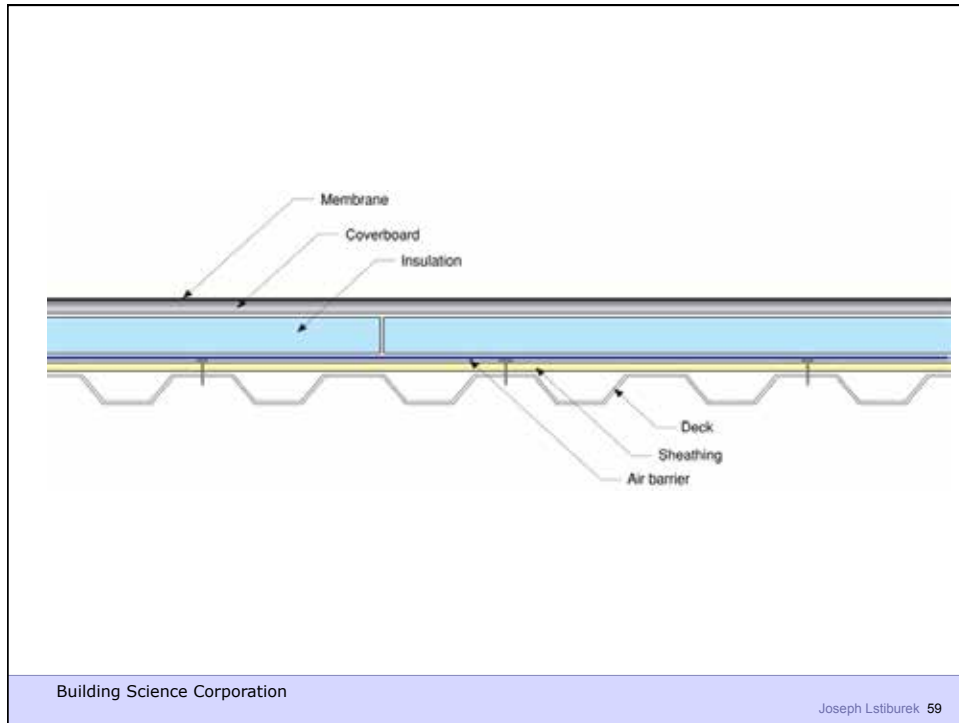
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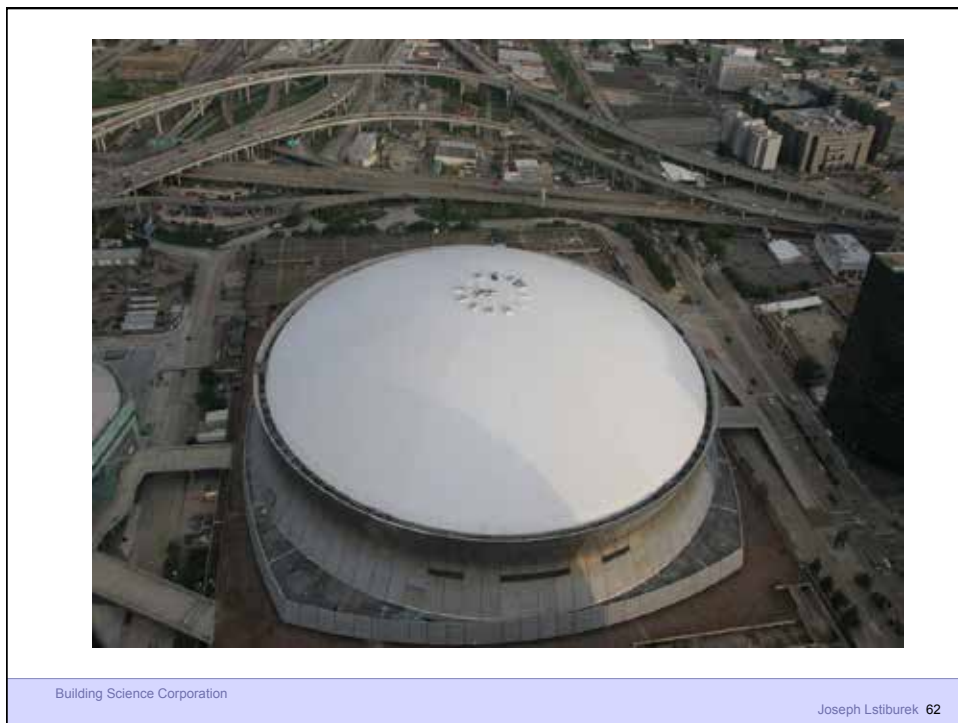
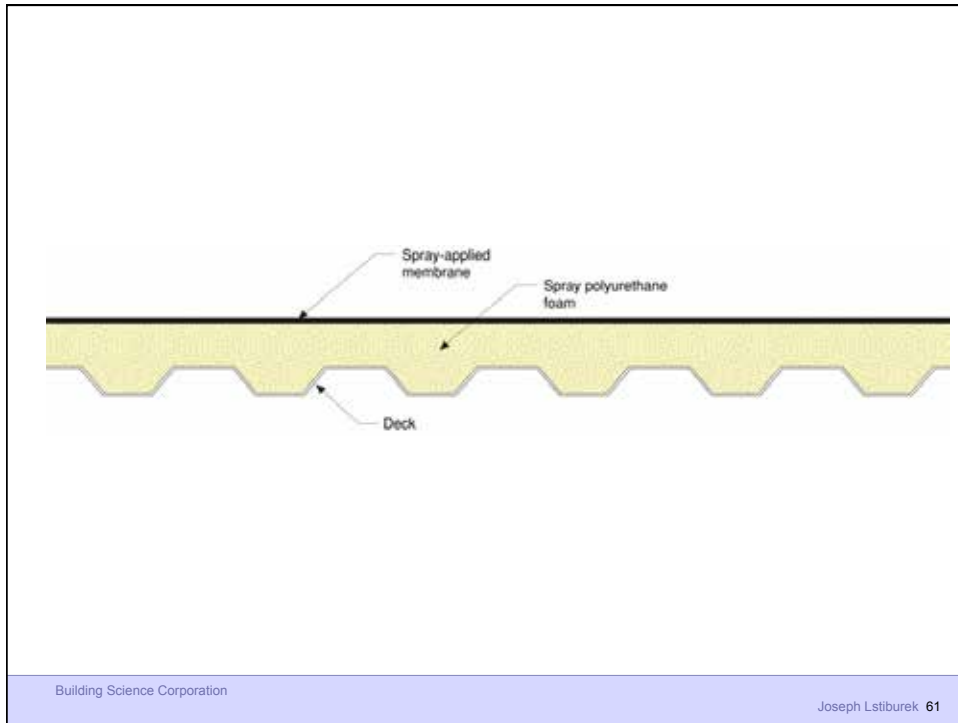
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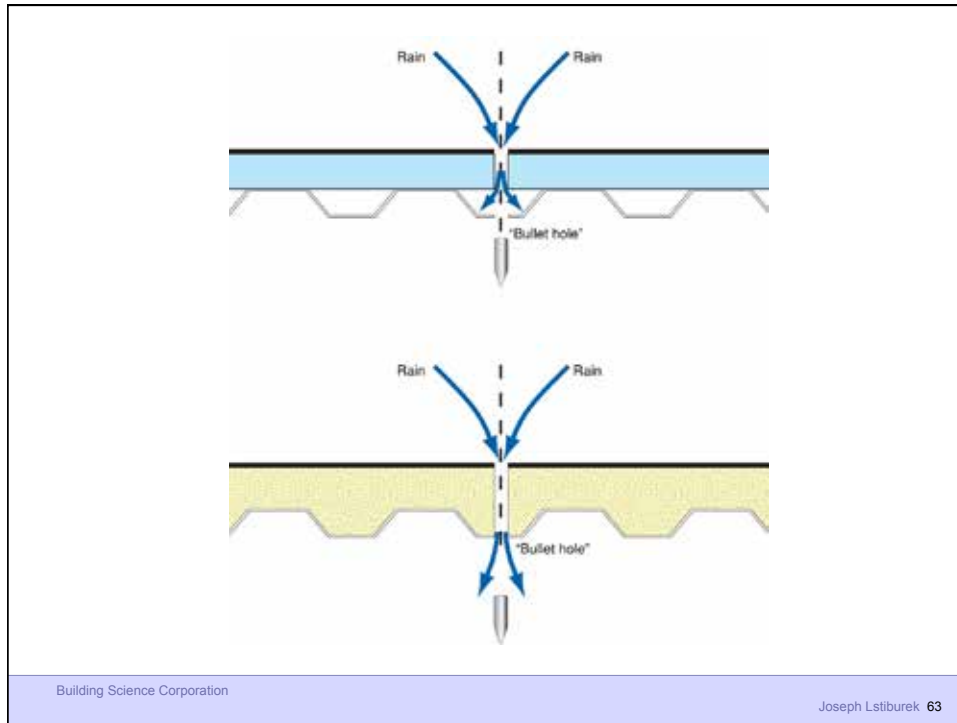


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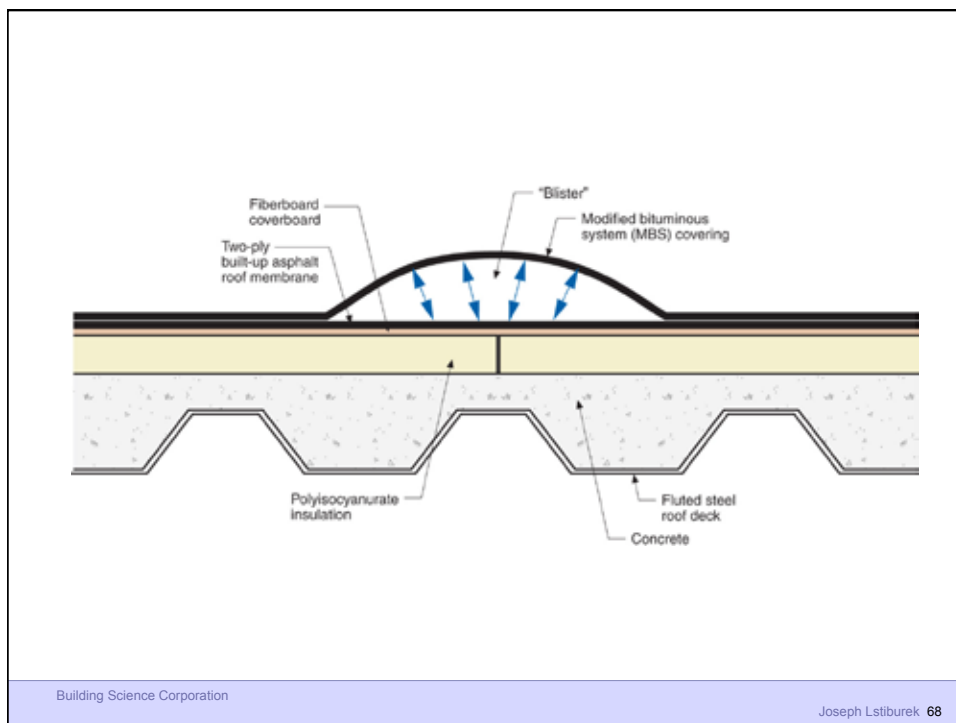
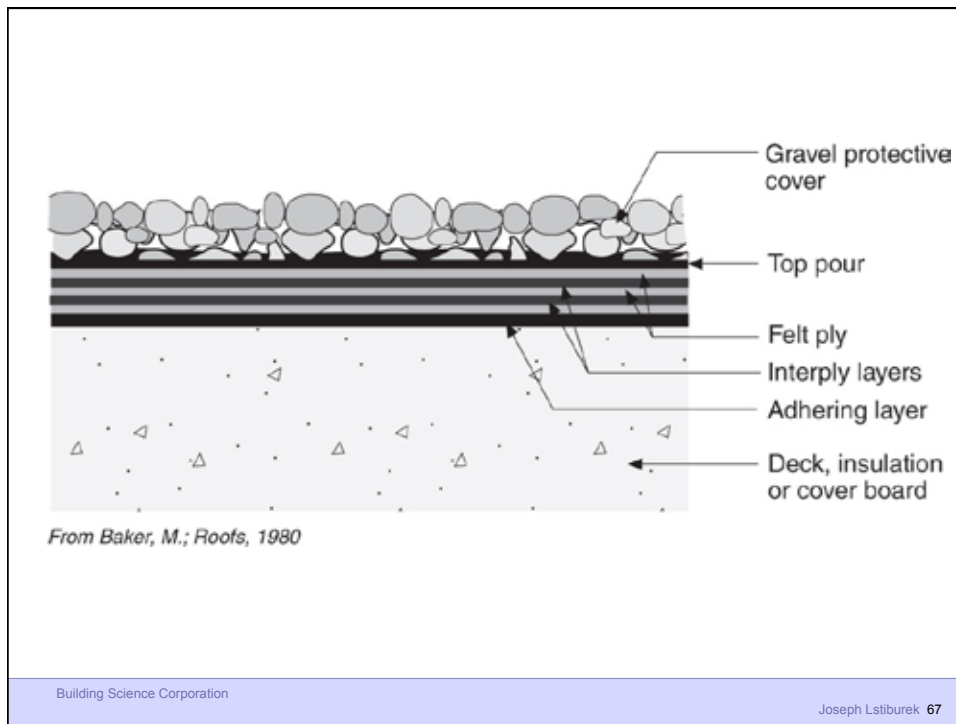
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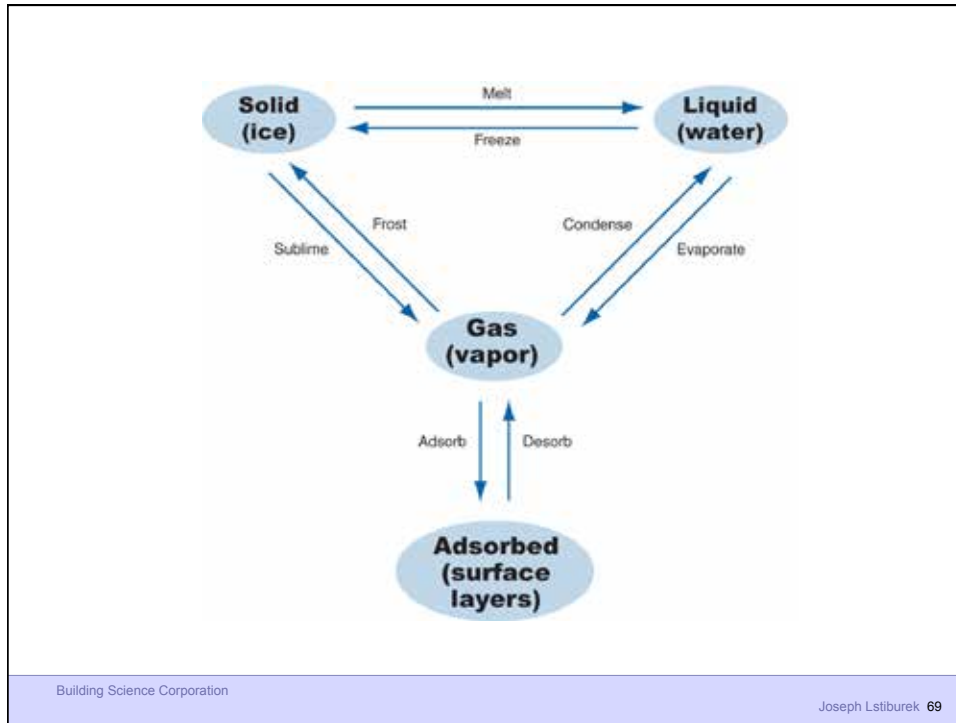








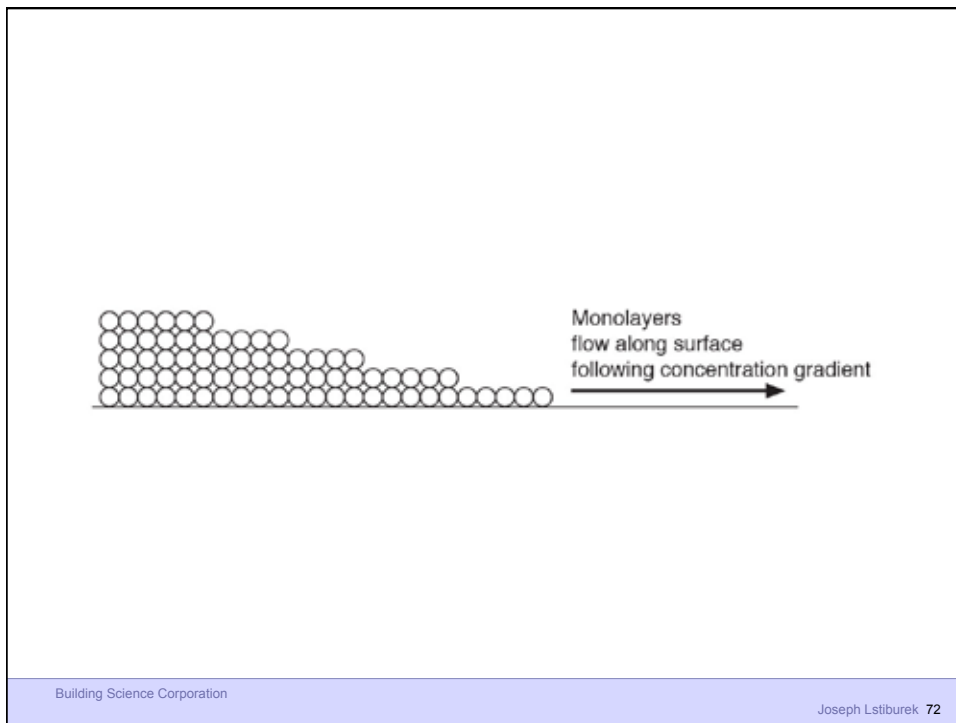
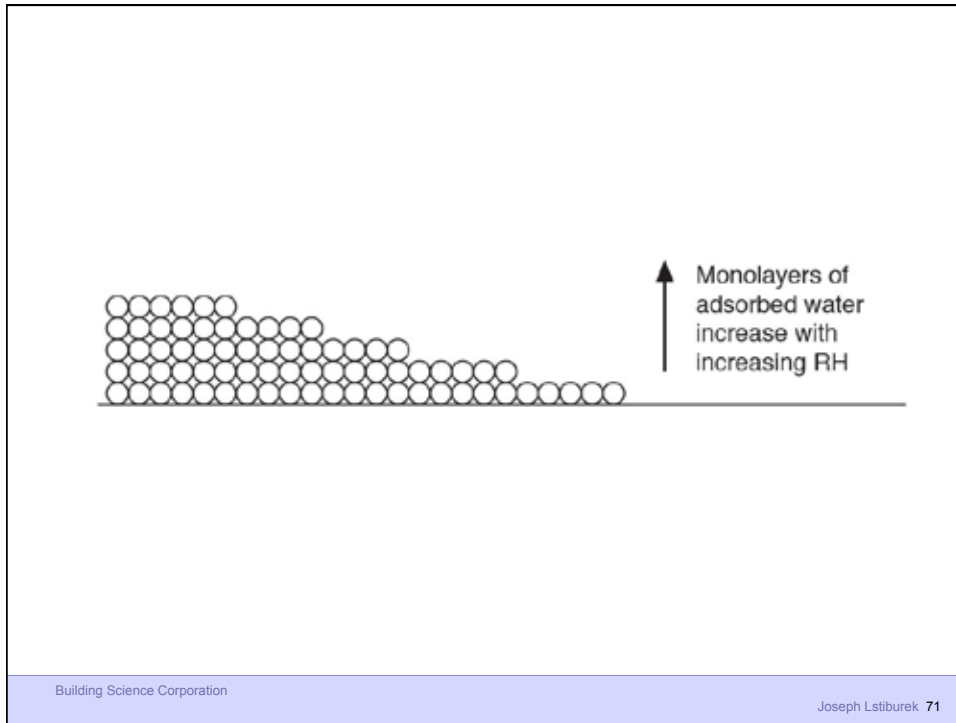


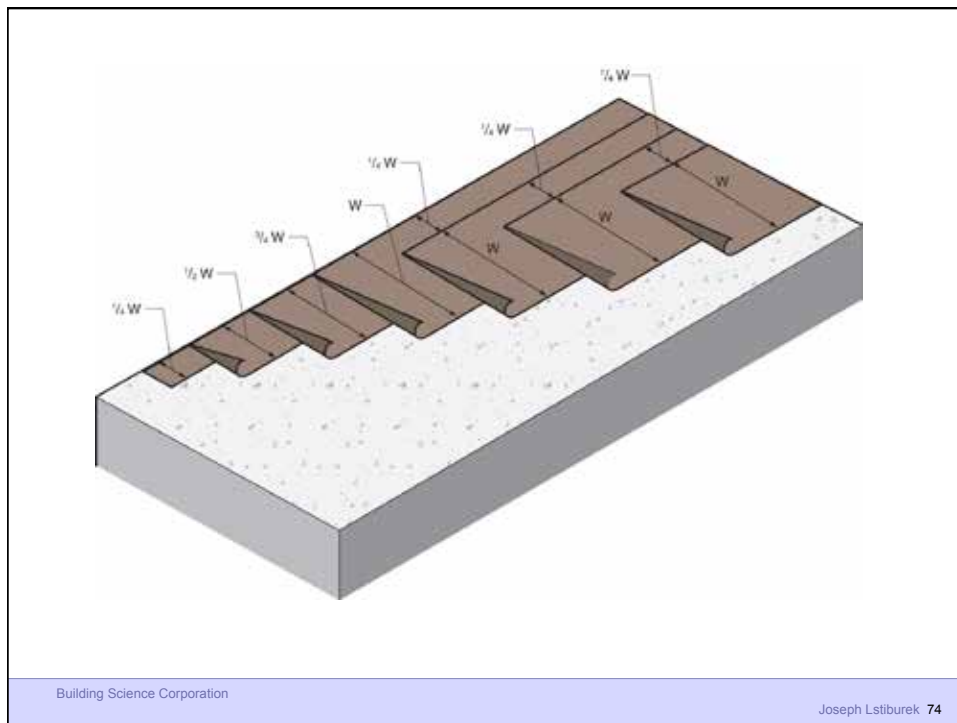
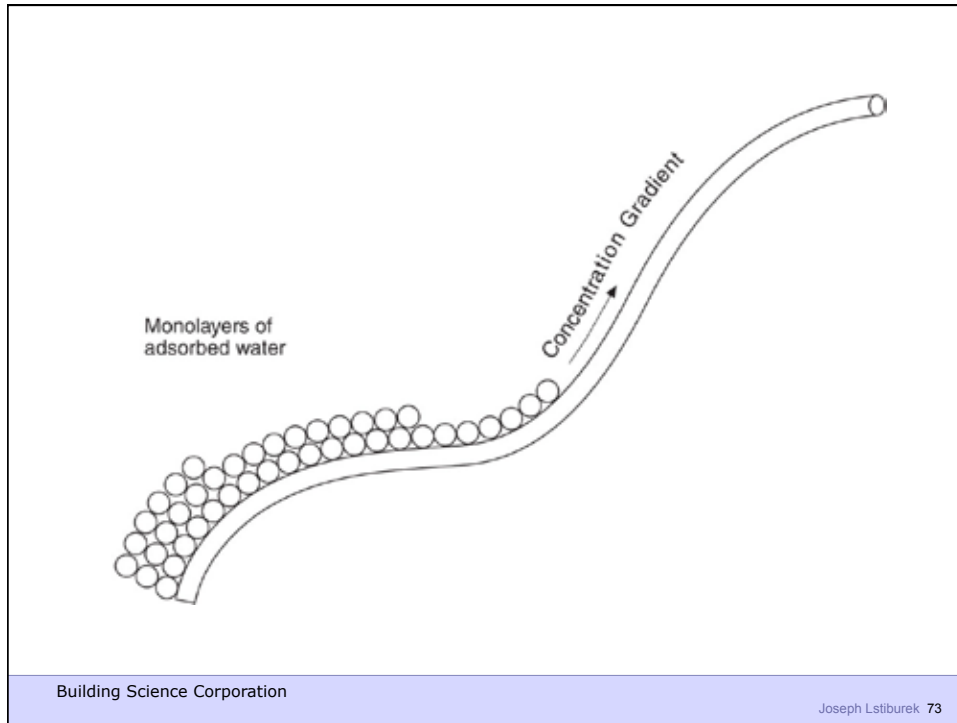


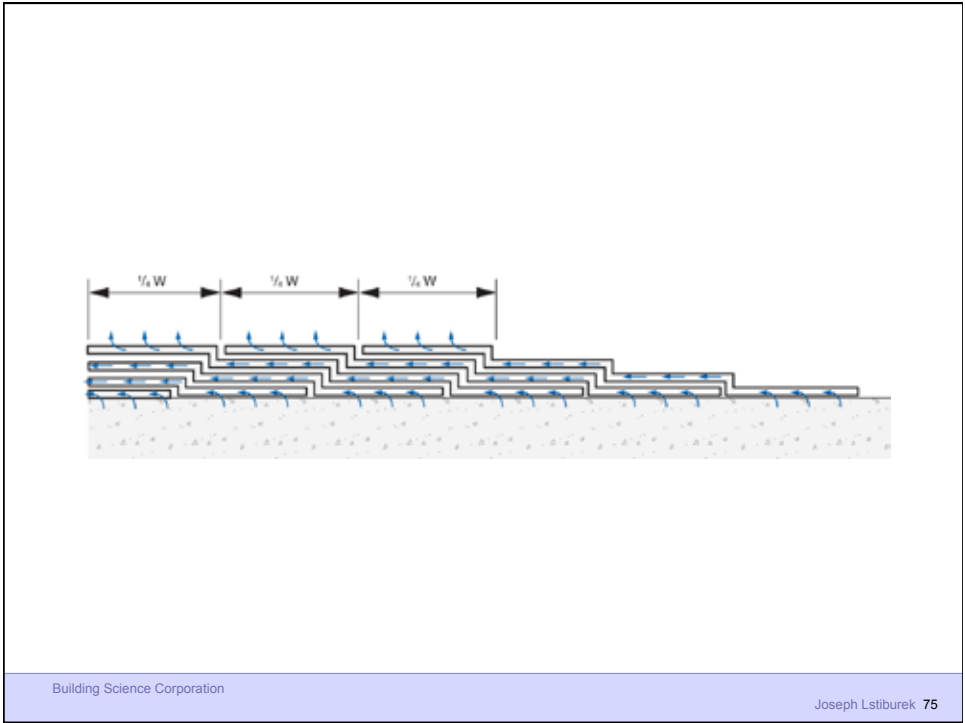
Moisture Transport in Porous Media

Phase	Transport Process	Driving Potential
Vapor	Diffusion	Vapor Concentration
Adsorbate	Surface Diffusion	Concentration
Liquid	Capillary Flow Osmosis	Suction Pressure Solute Concentration

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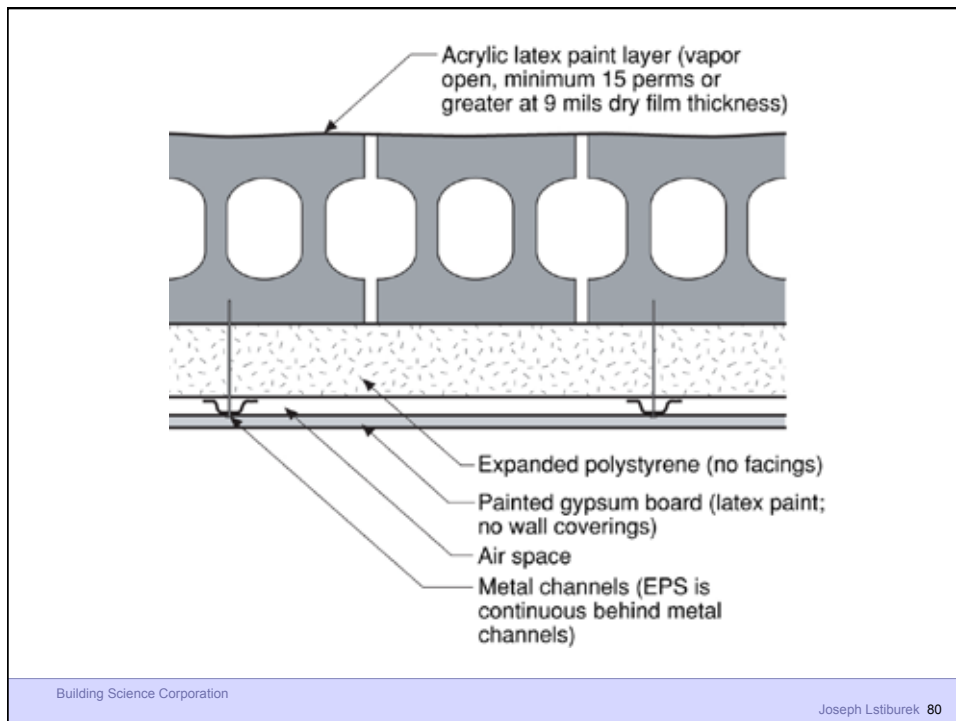
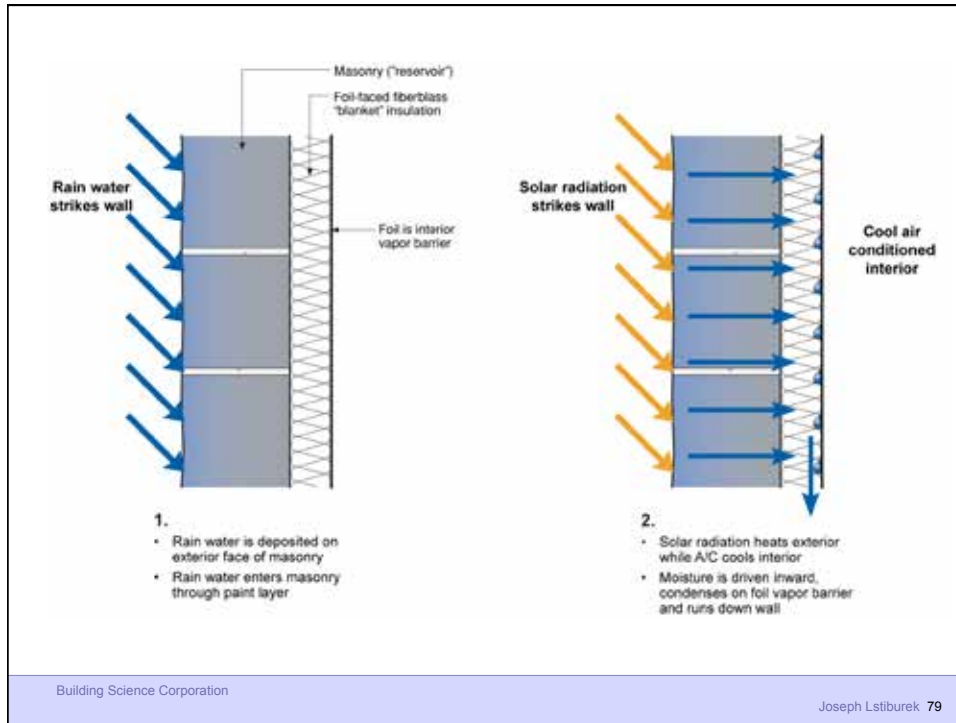
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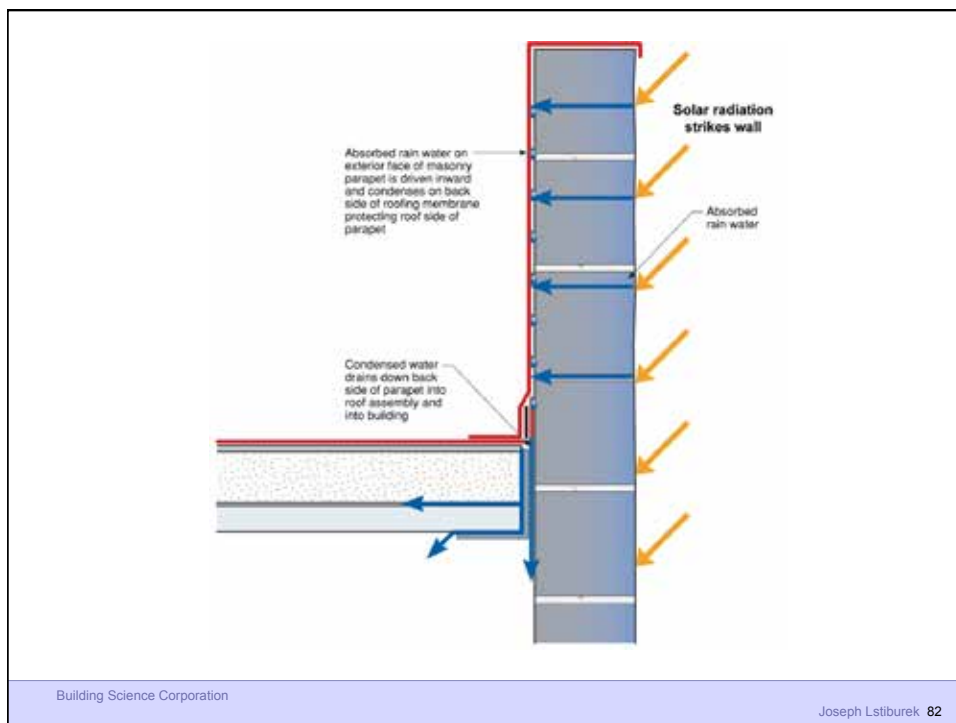
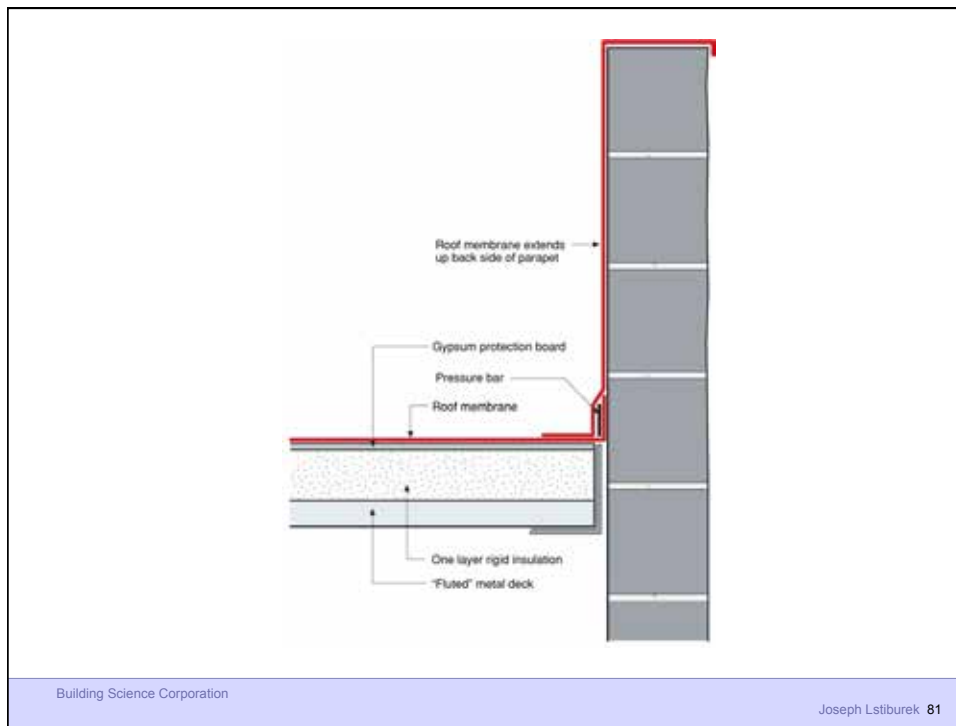
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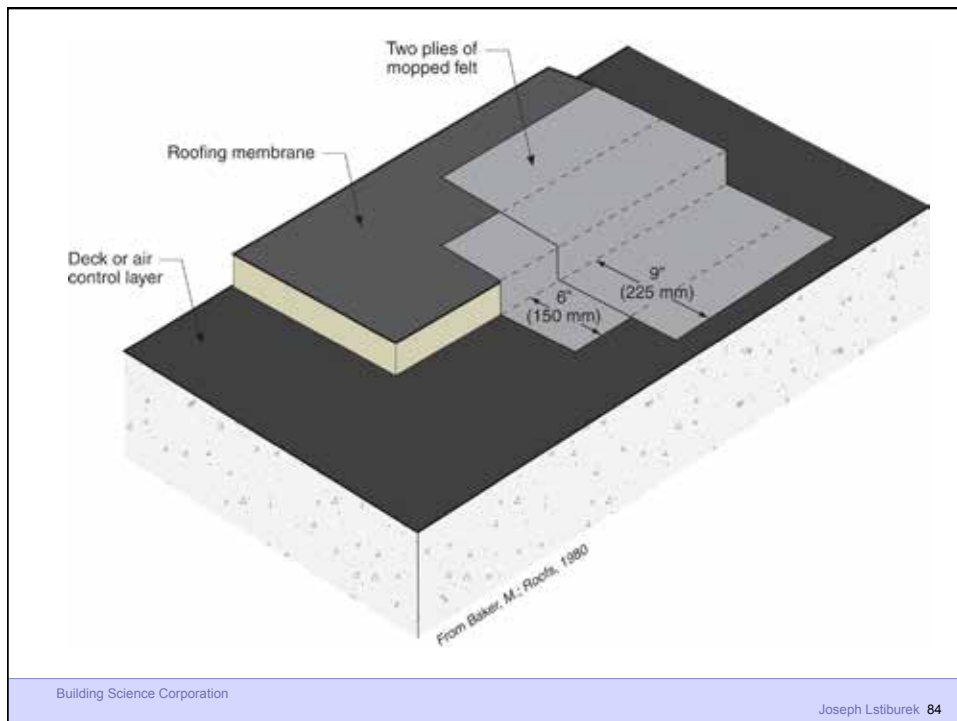
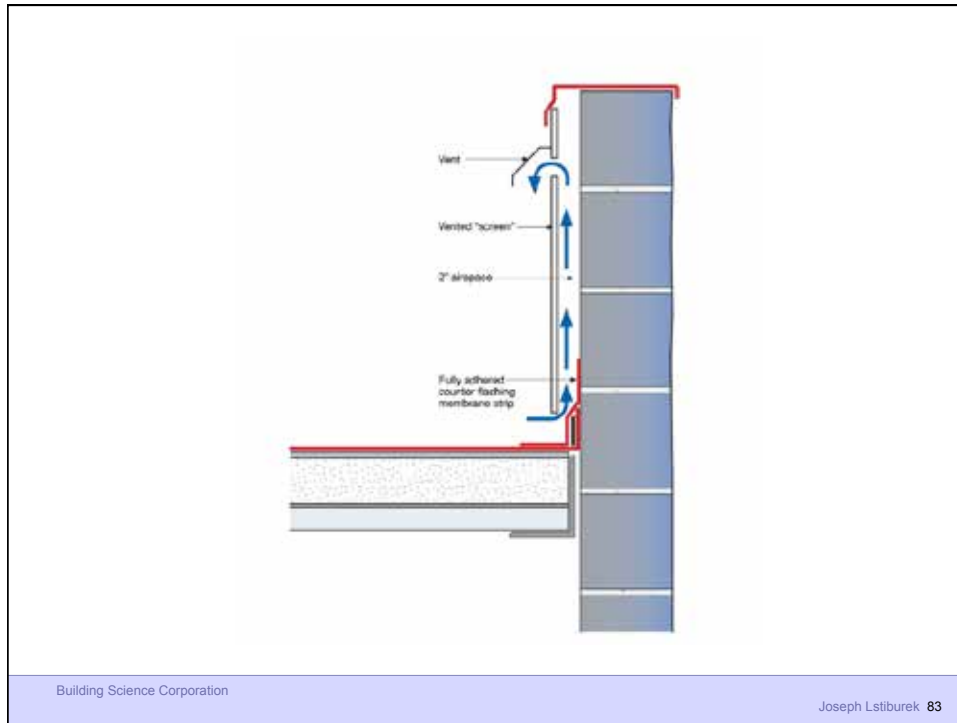


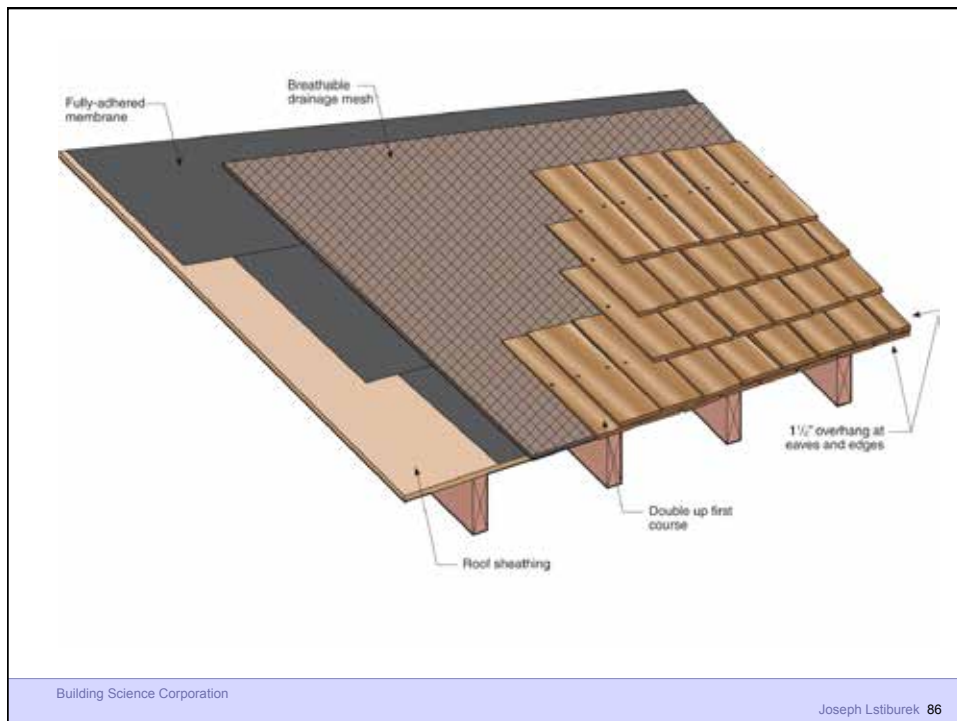
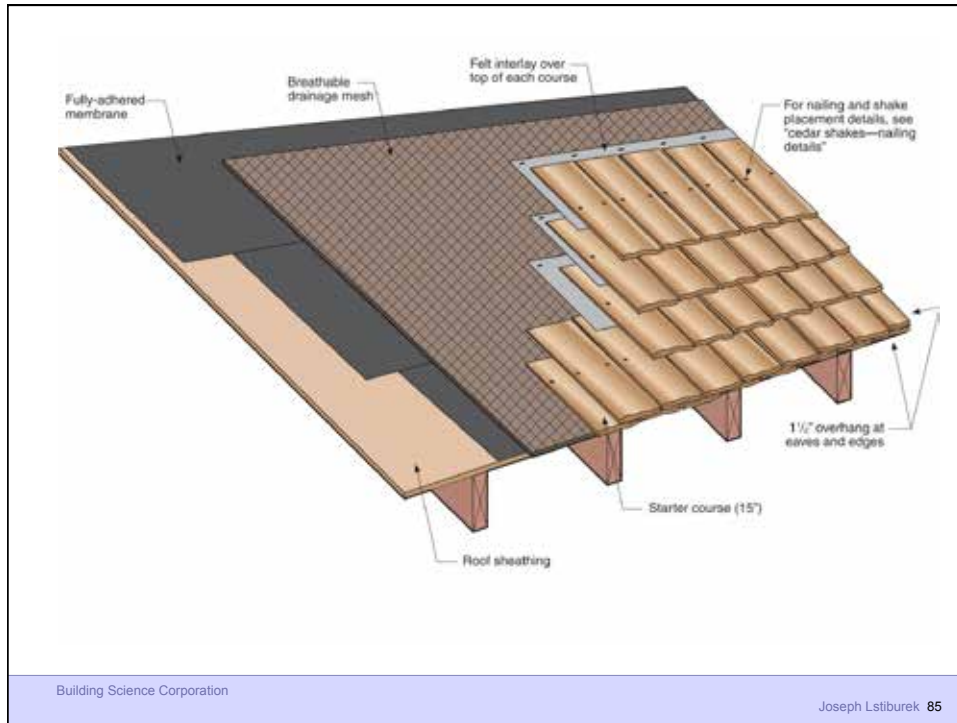
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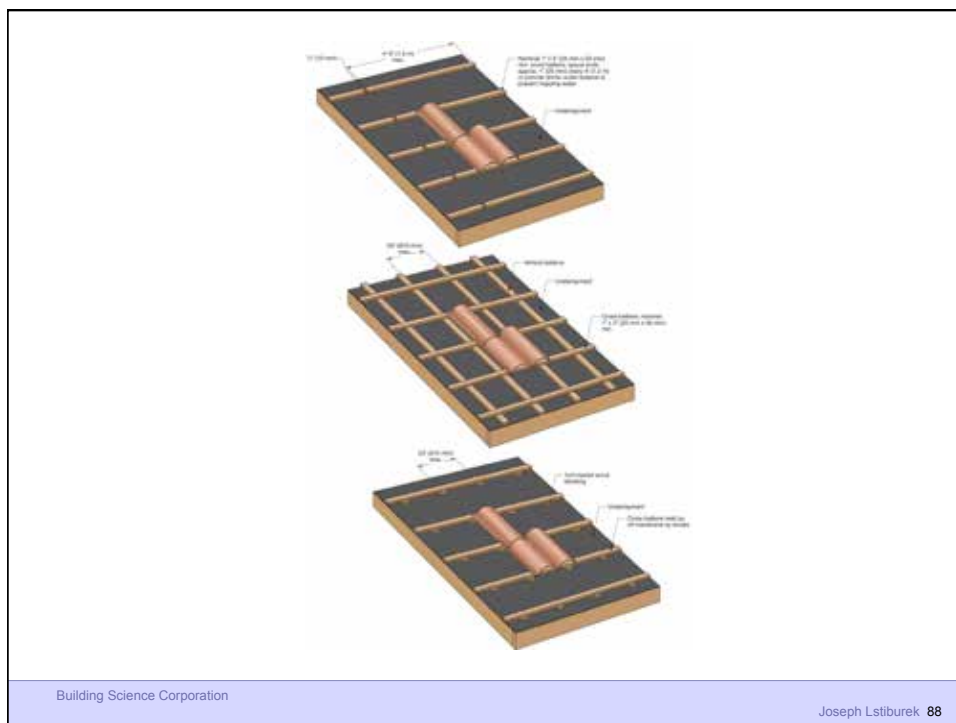
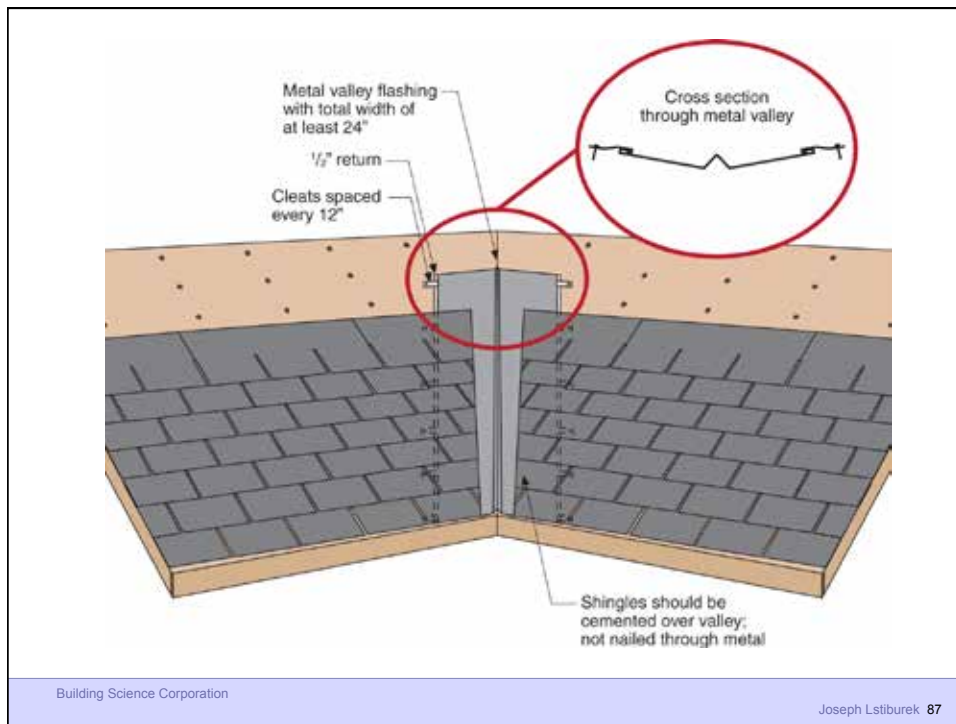
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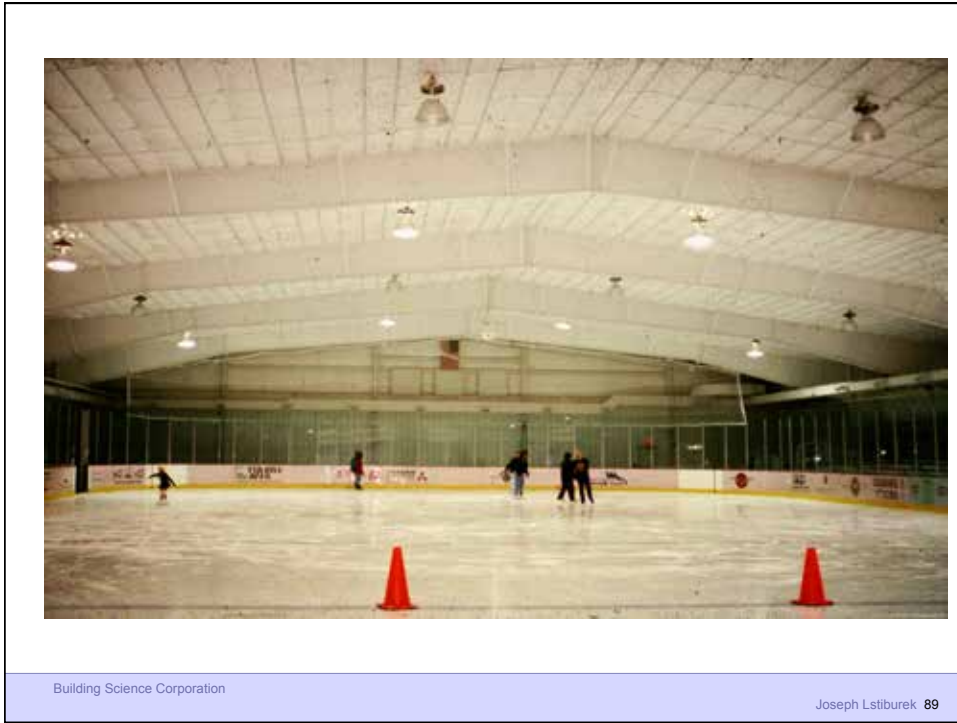


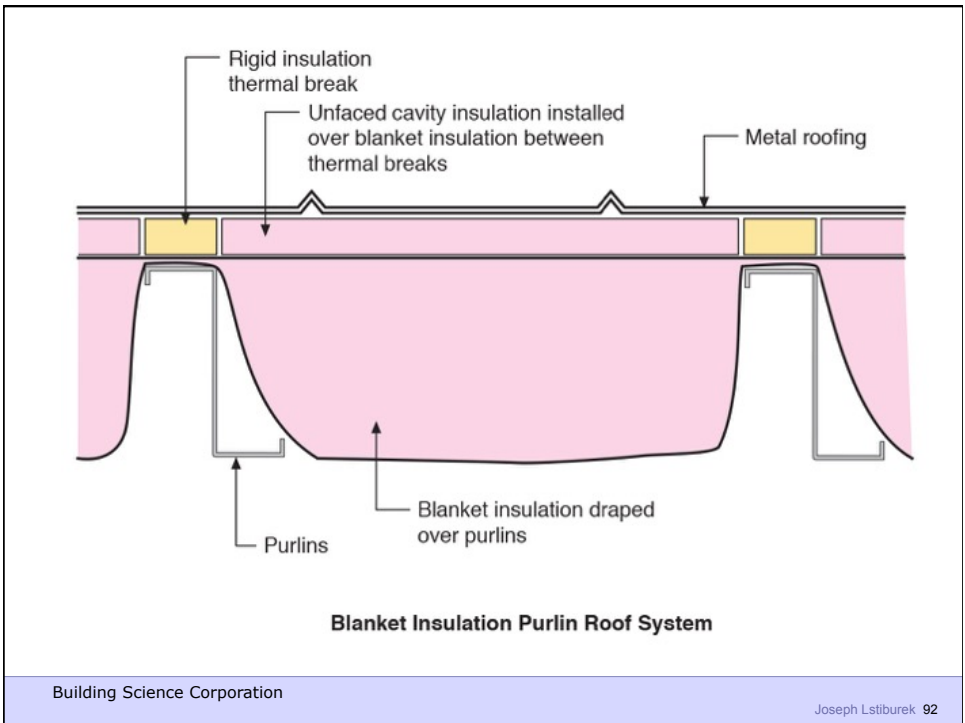
















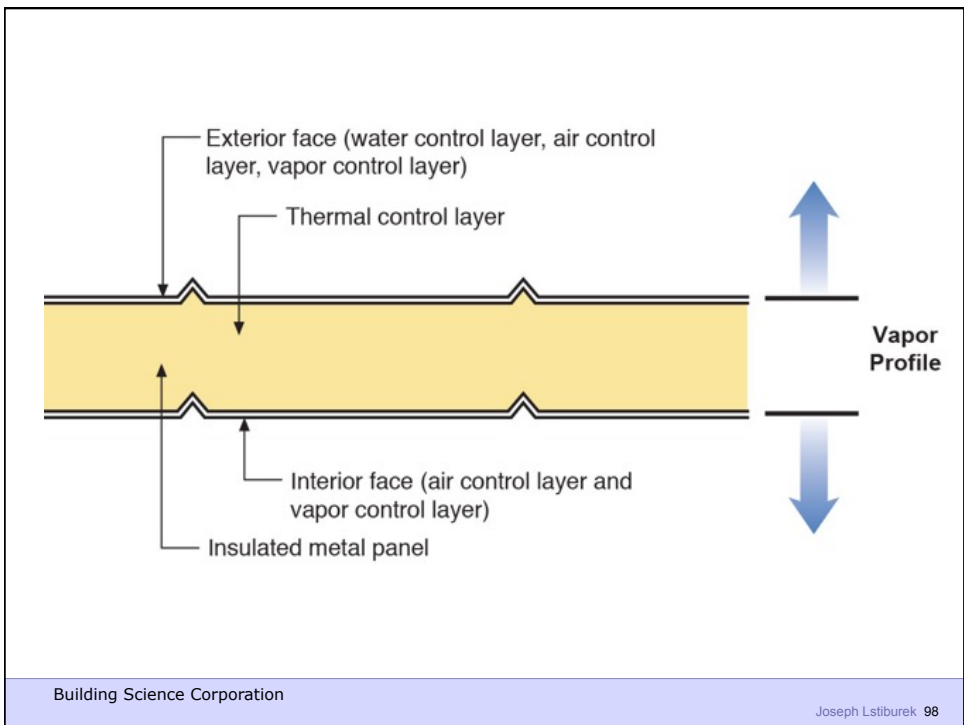
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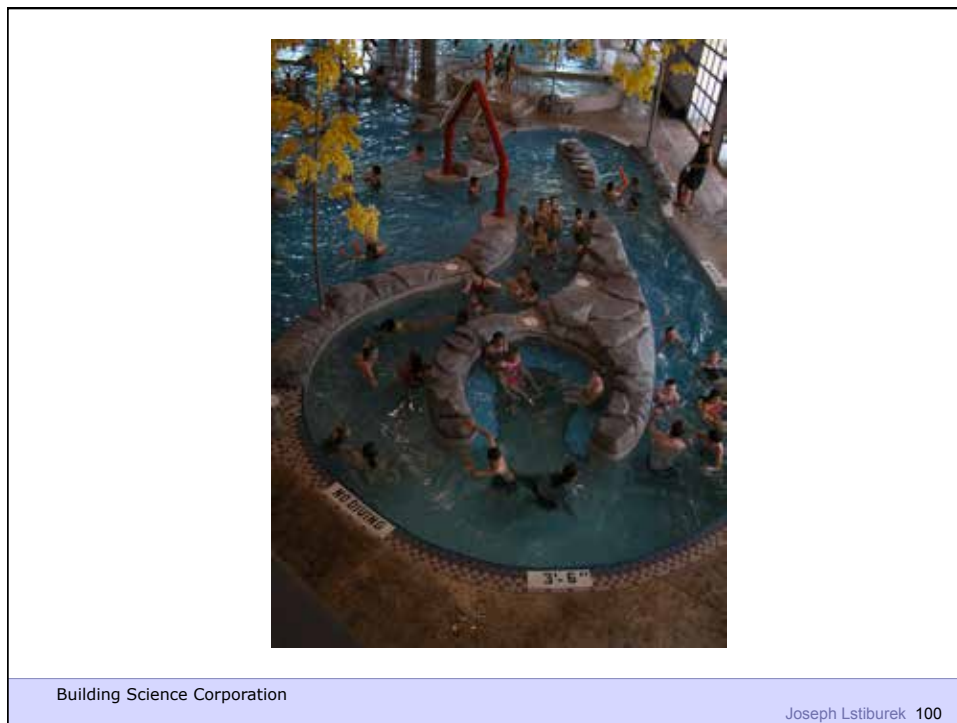
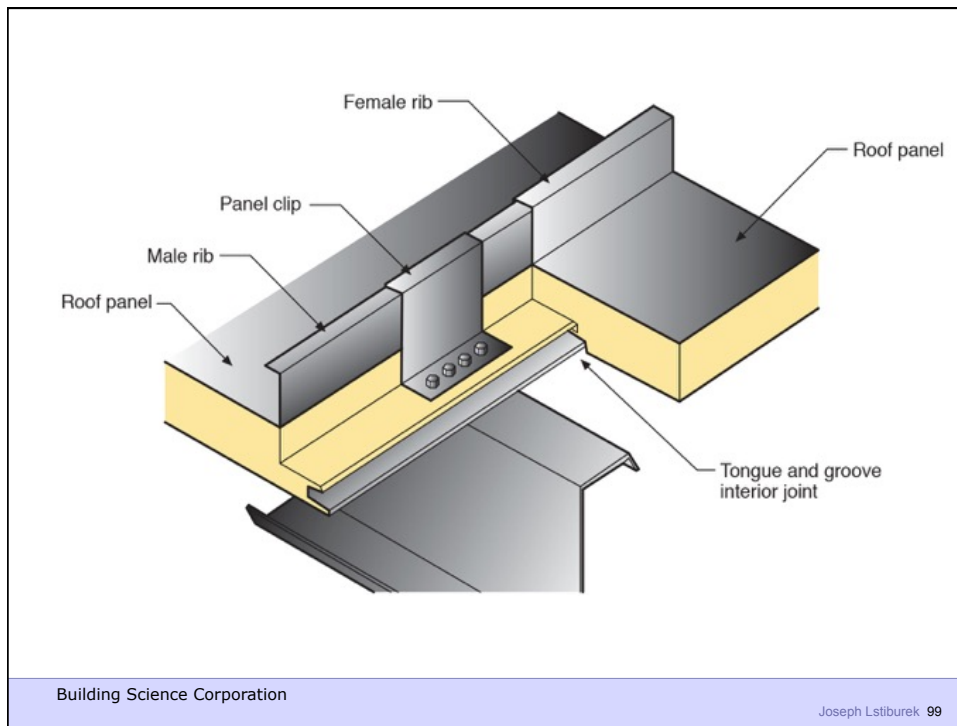
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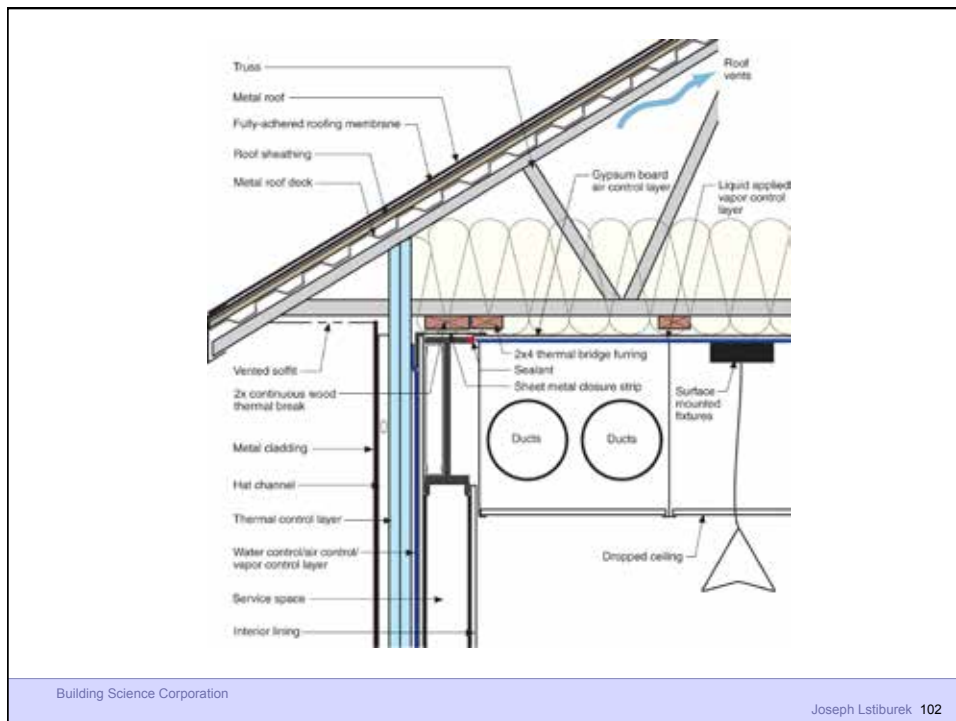
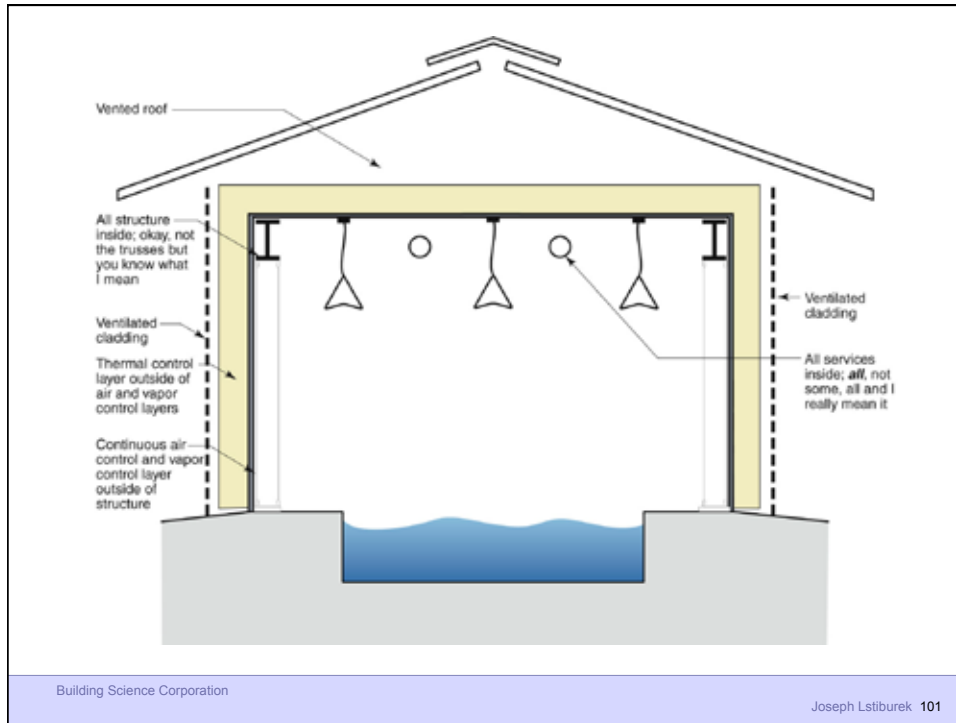


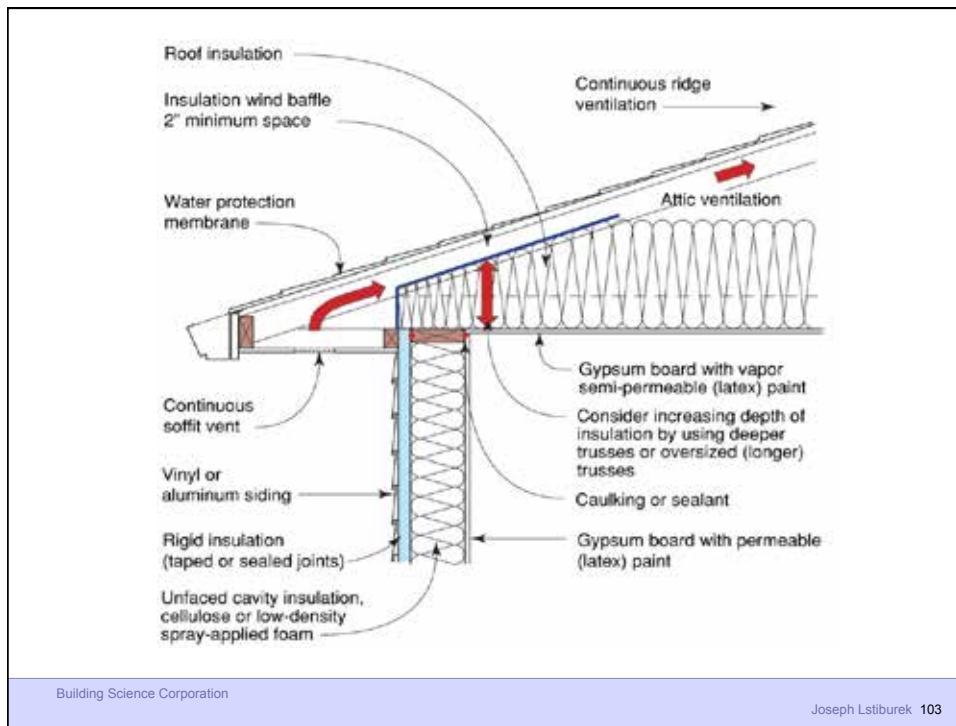
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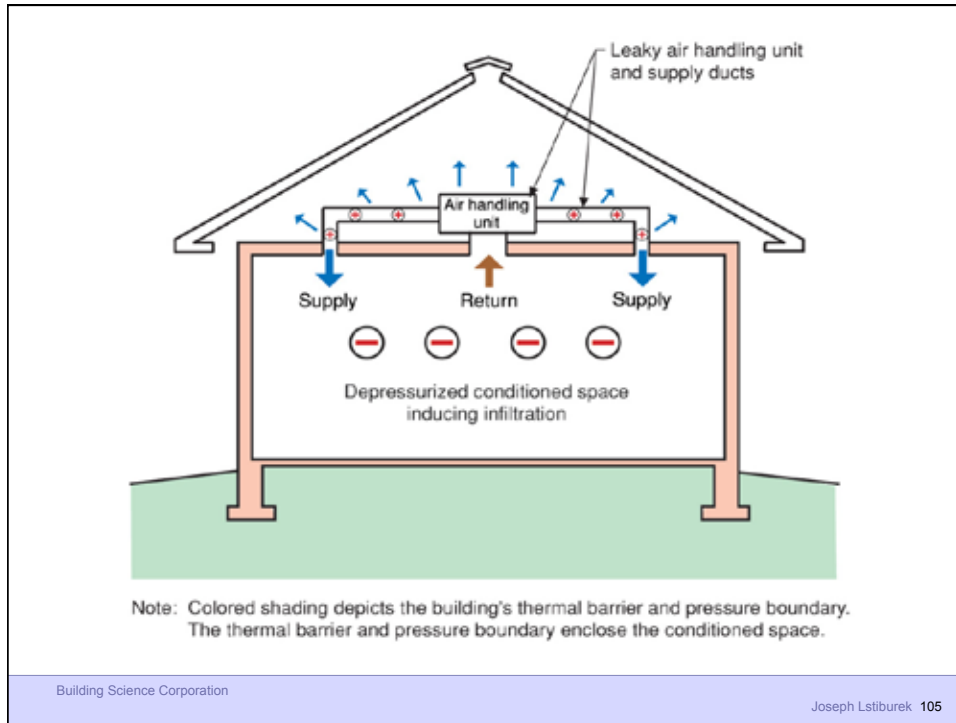
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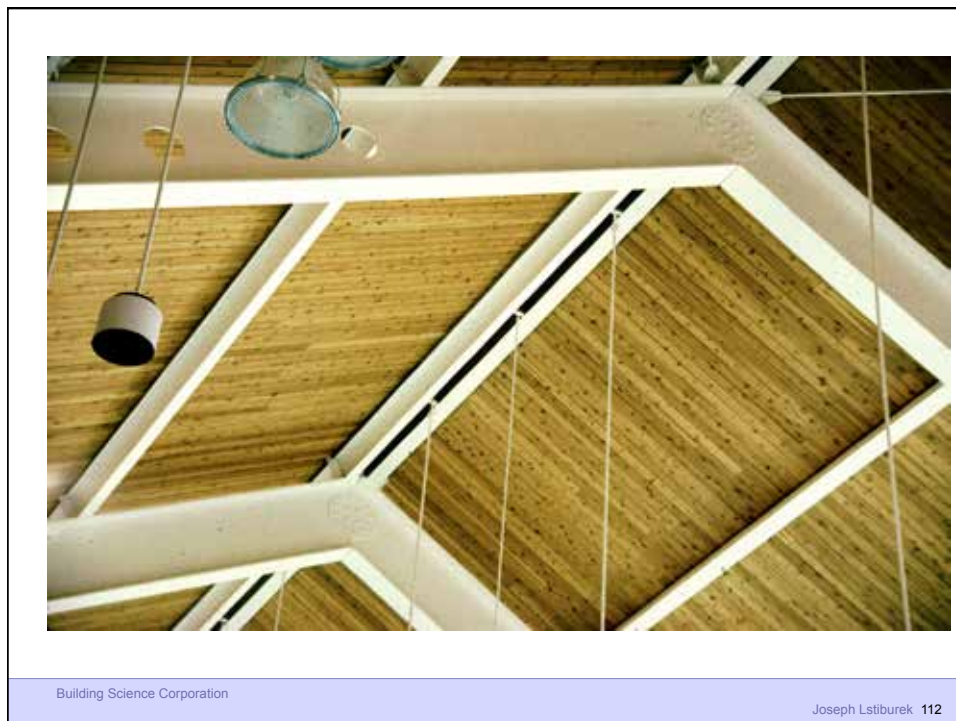
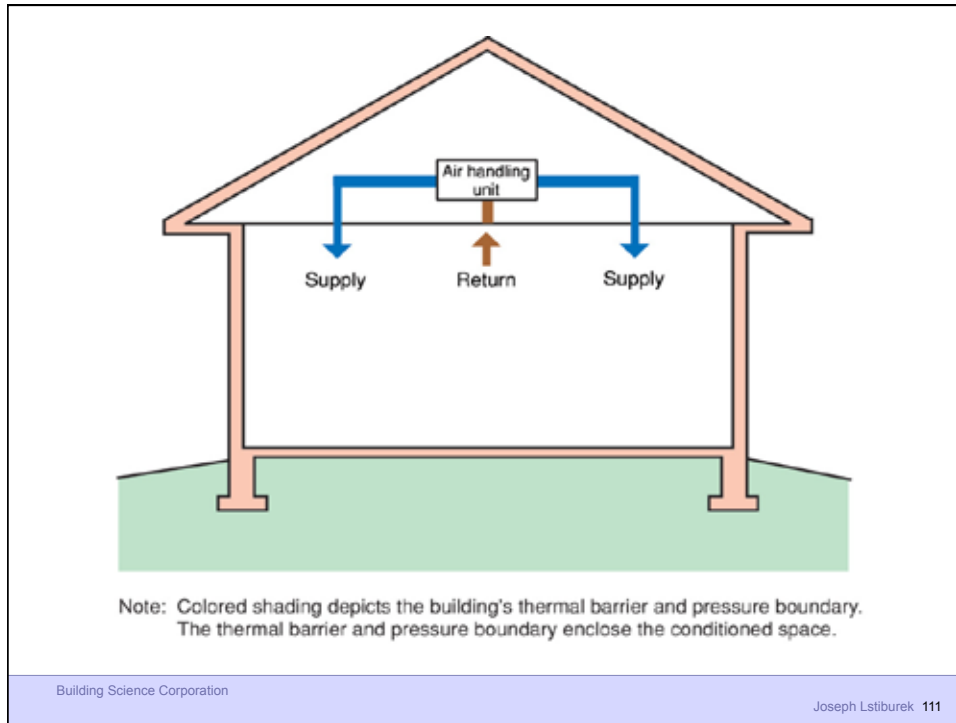
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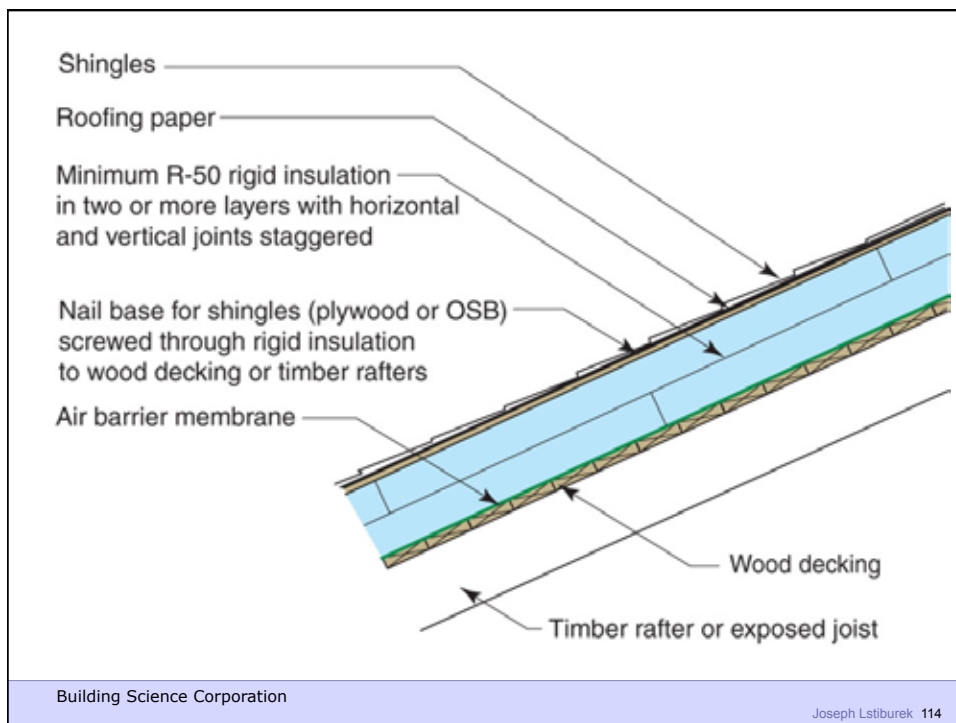
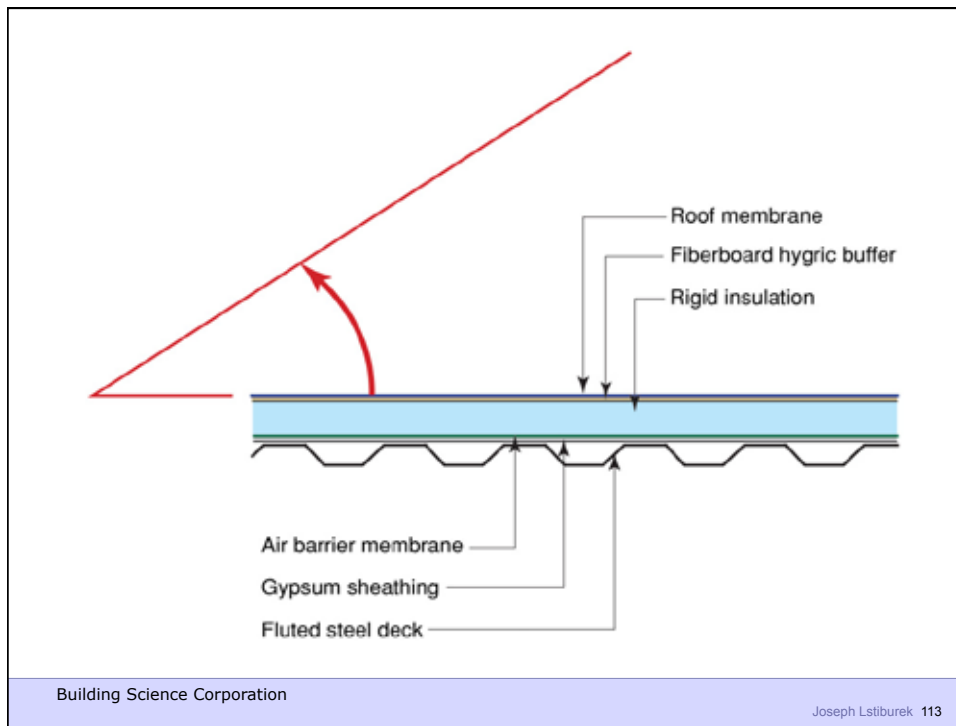
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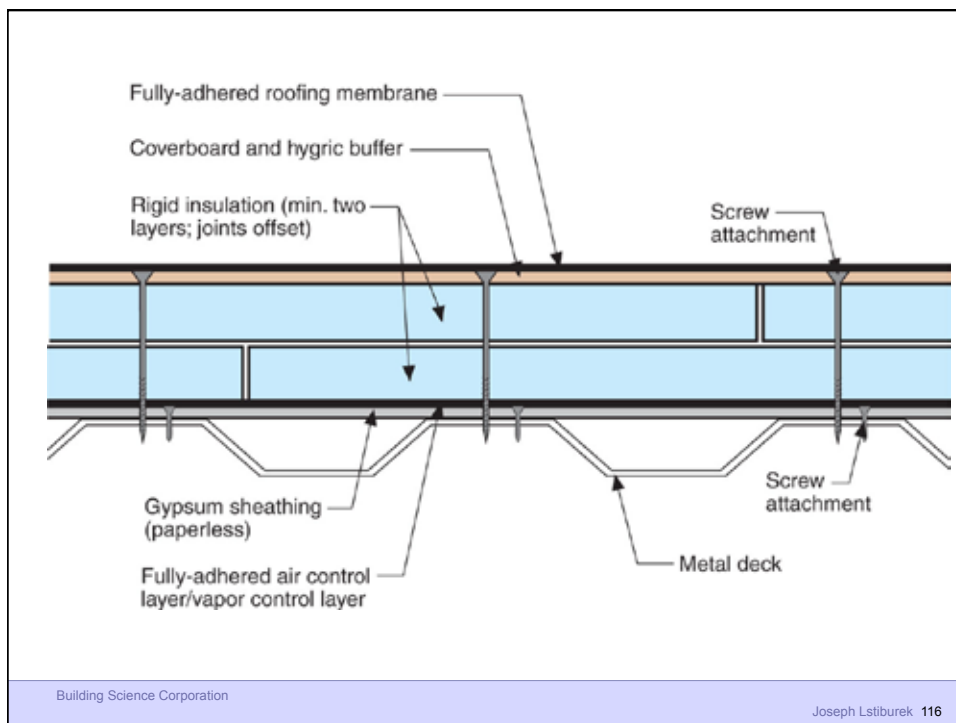
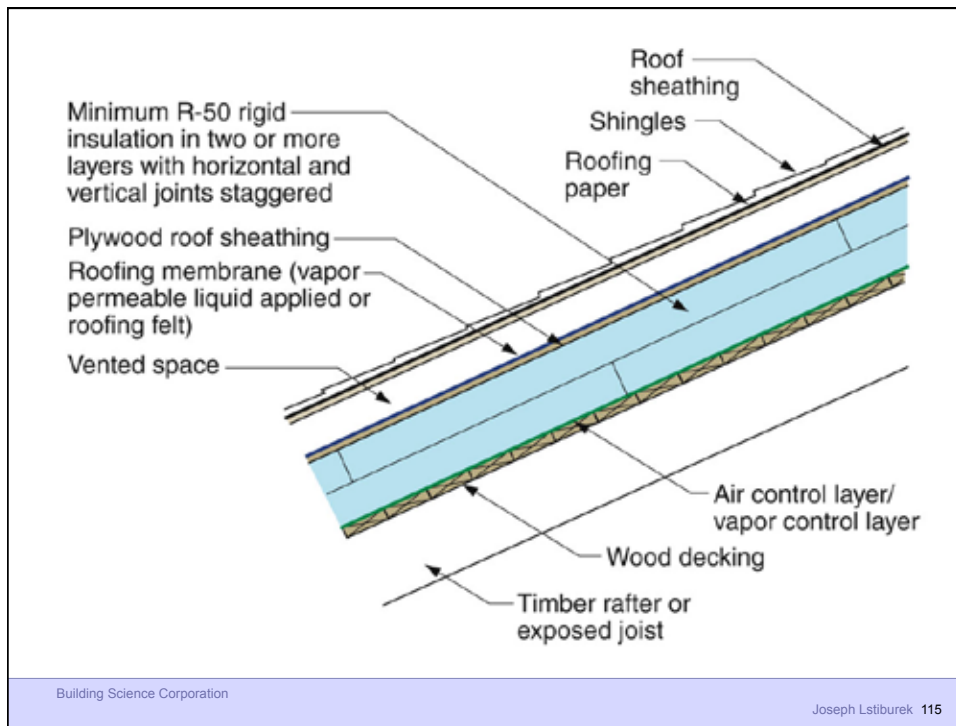


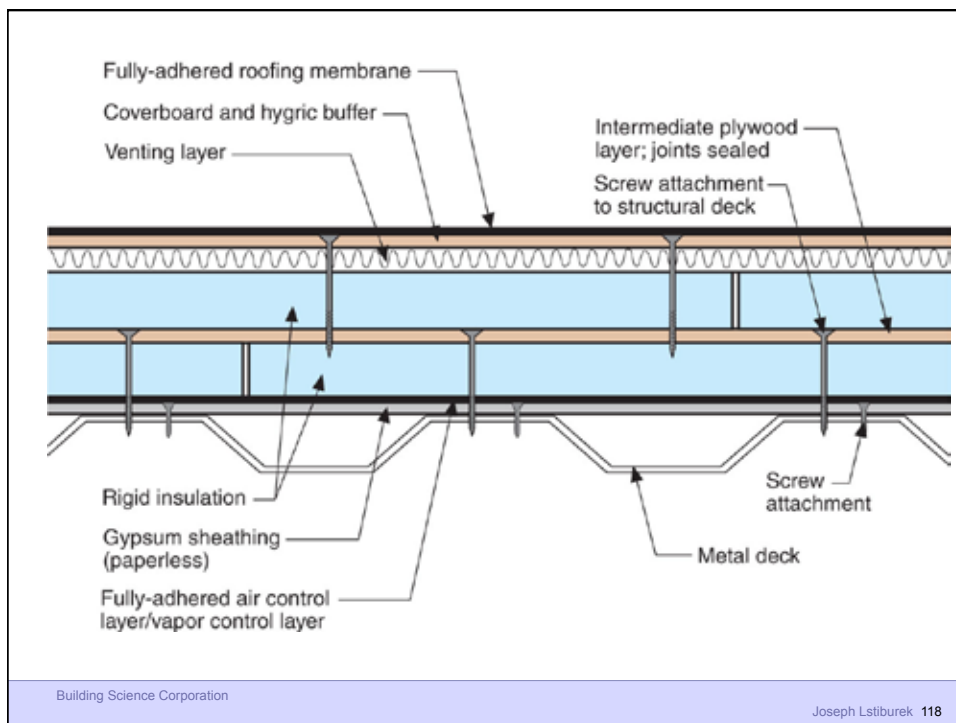
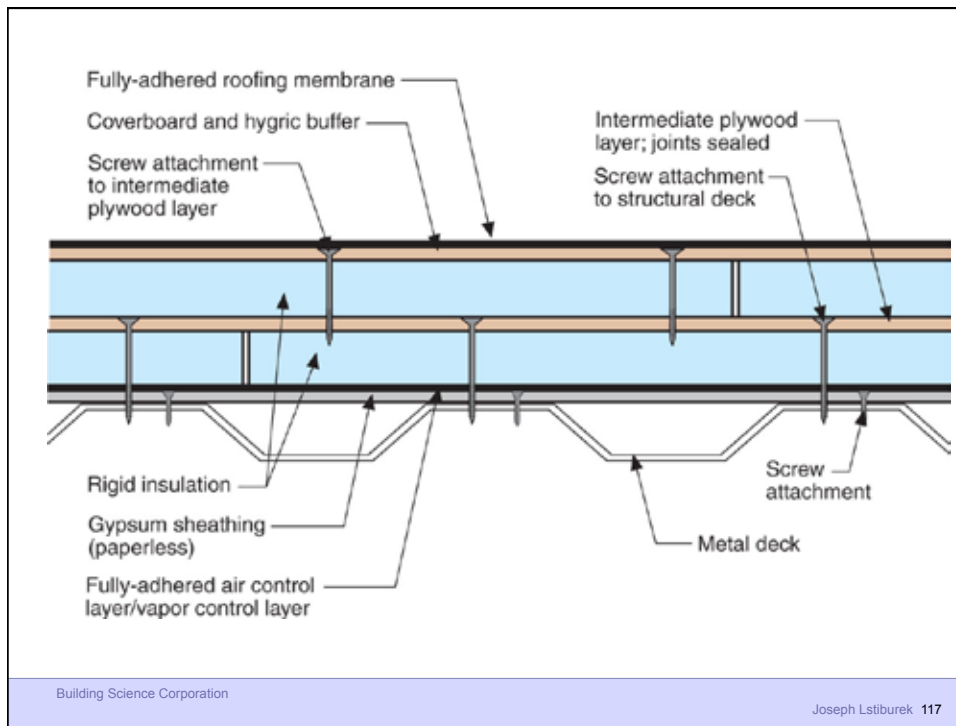
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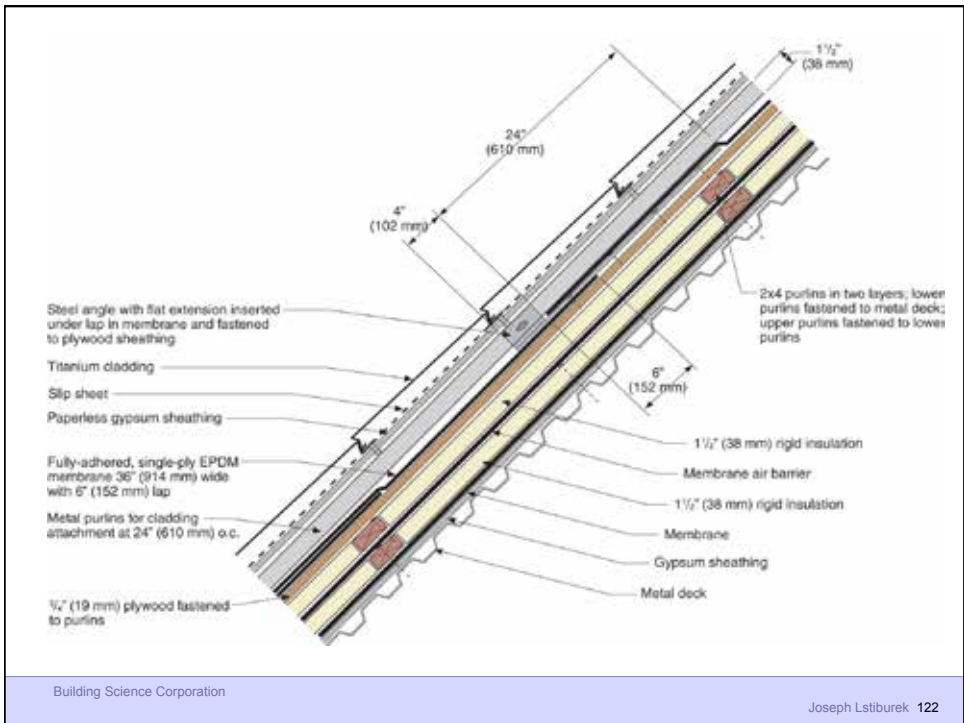


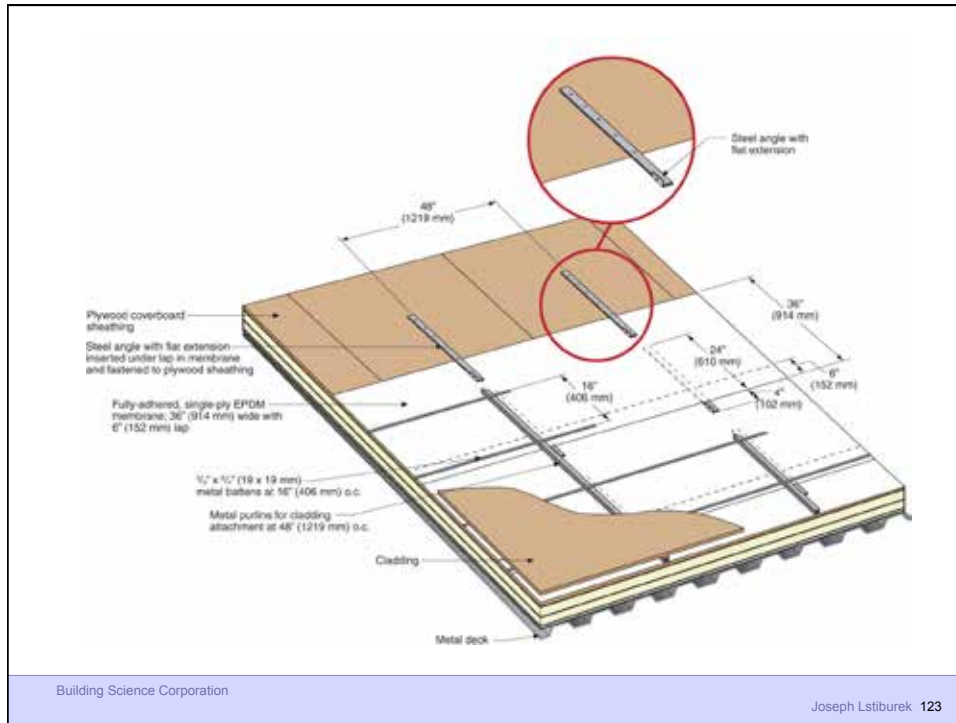


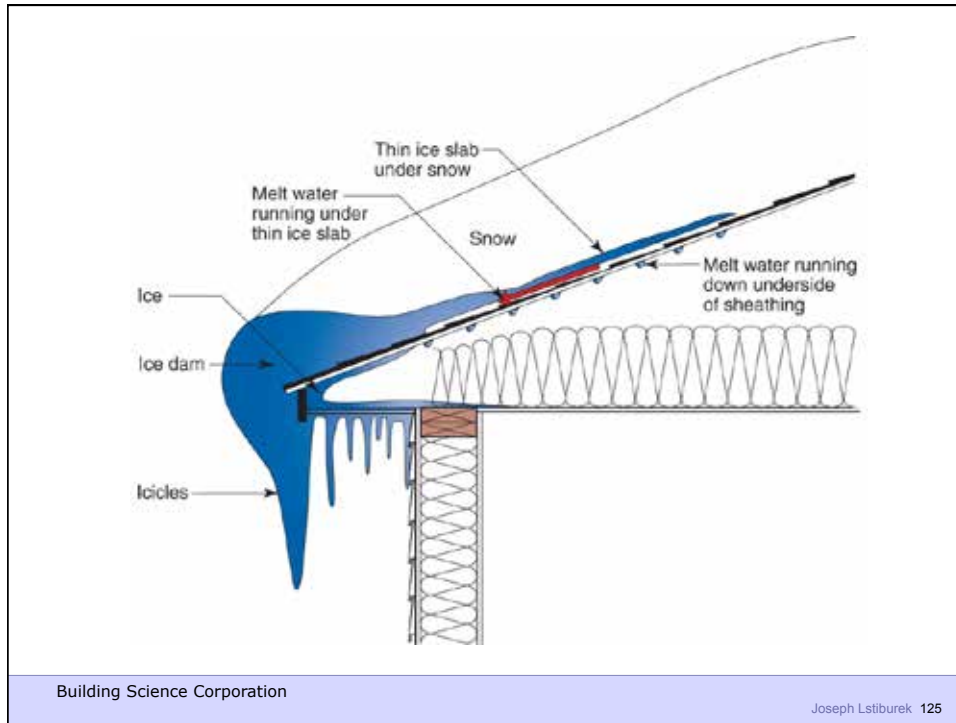














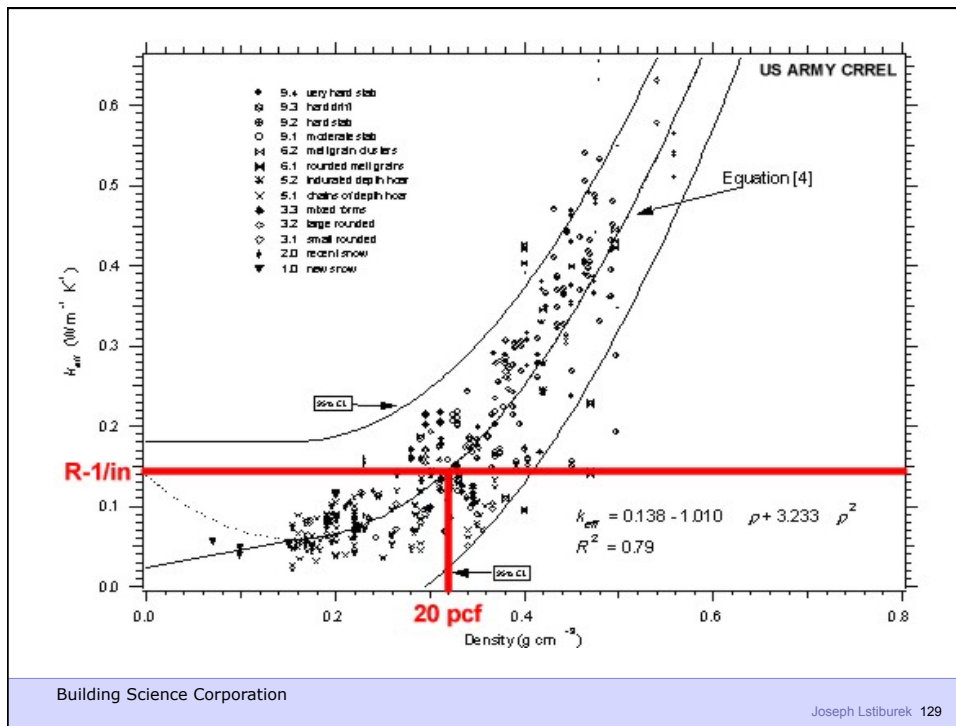
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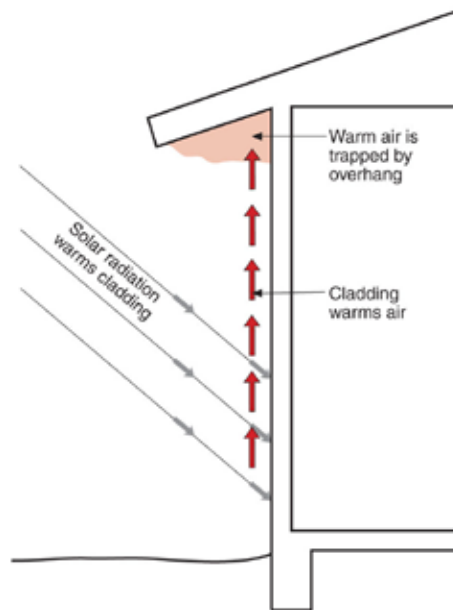
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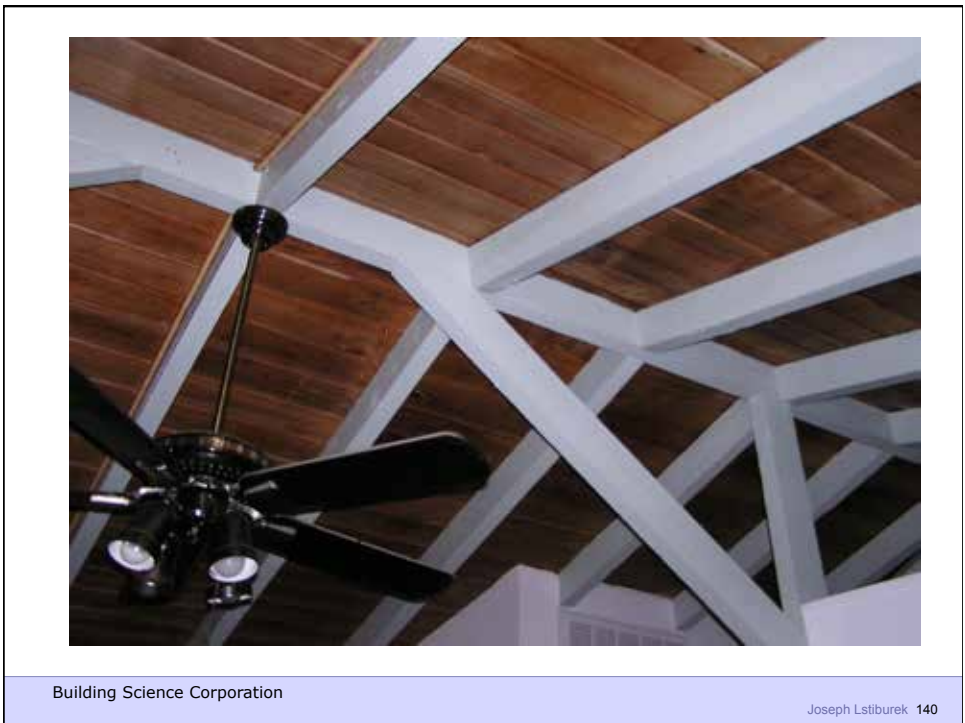
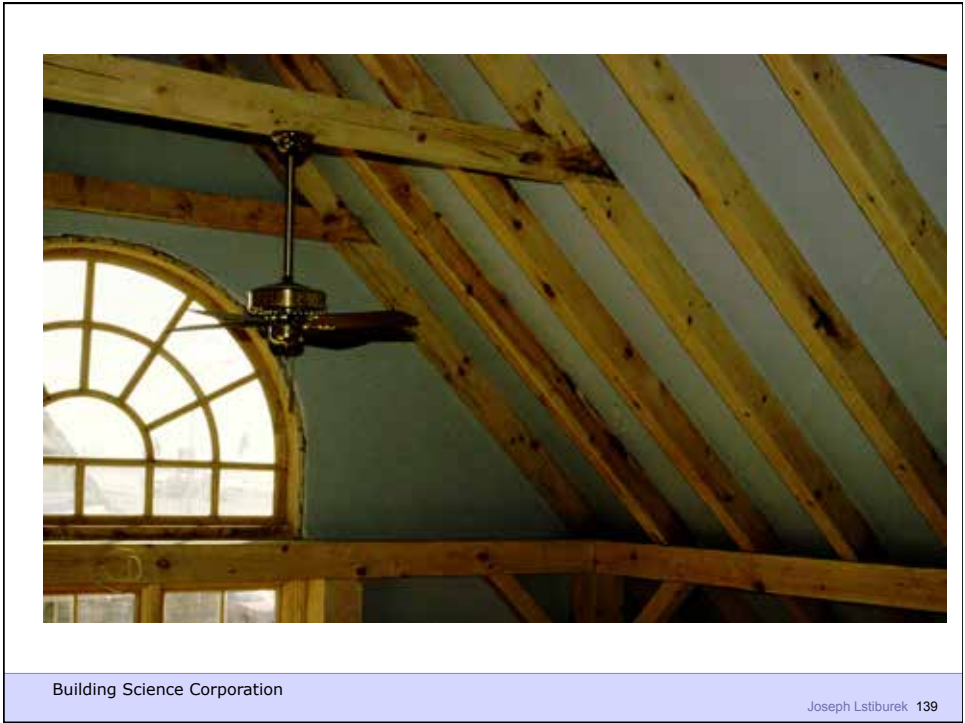
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Joseph Lstiburek 142





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Joseph Lstiburek 145



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Joseph Lstiburek 146



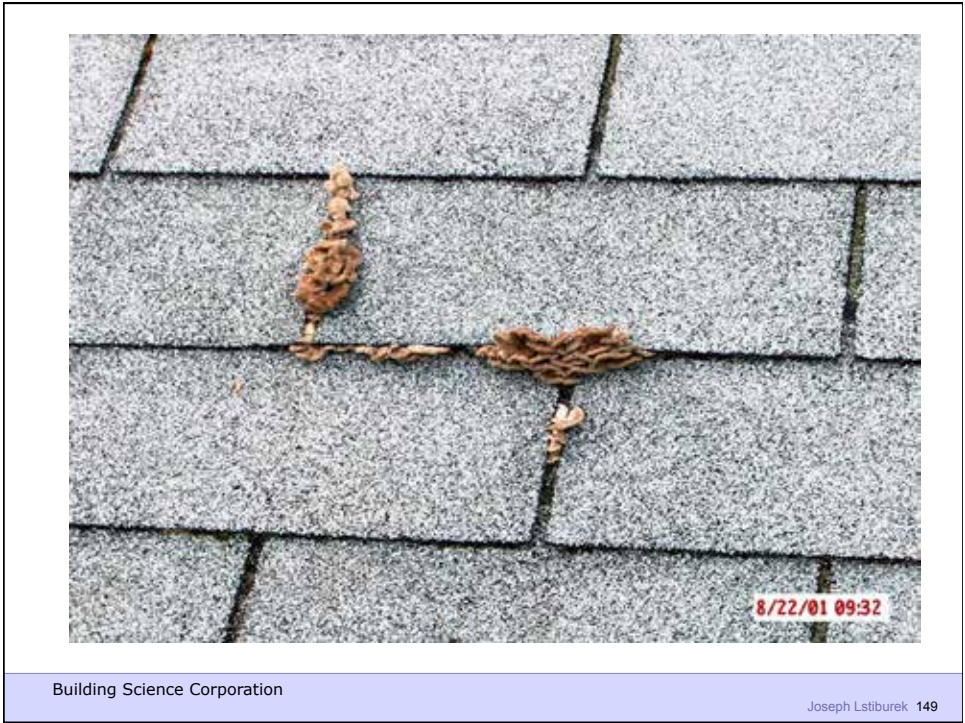
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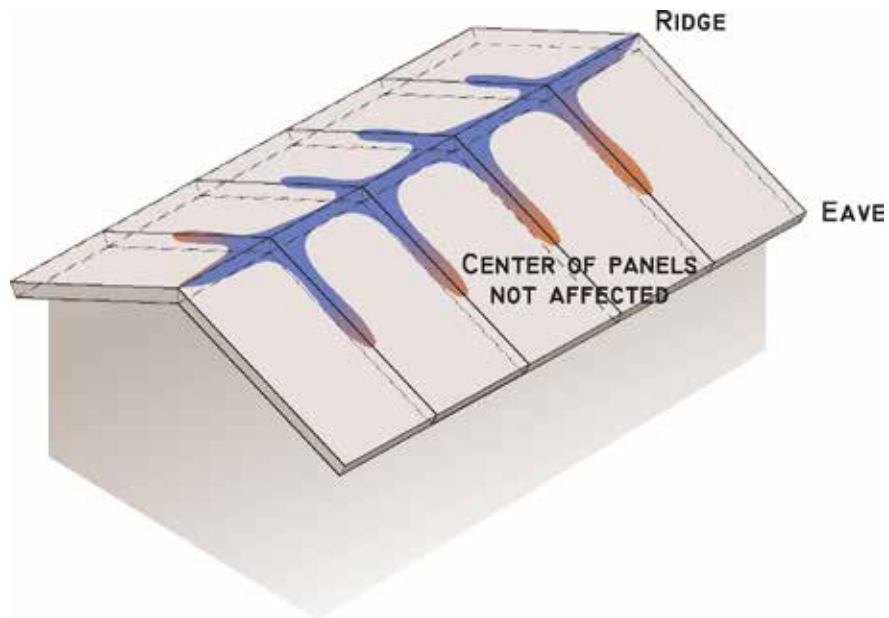
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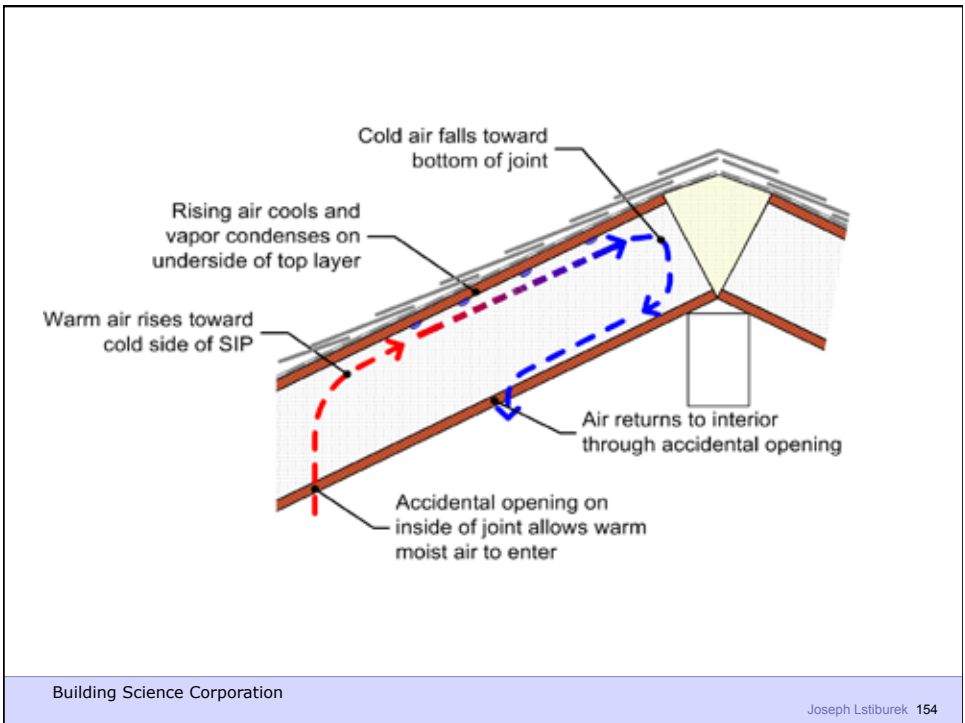
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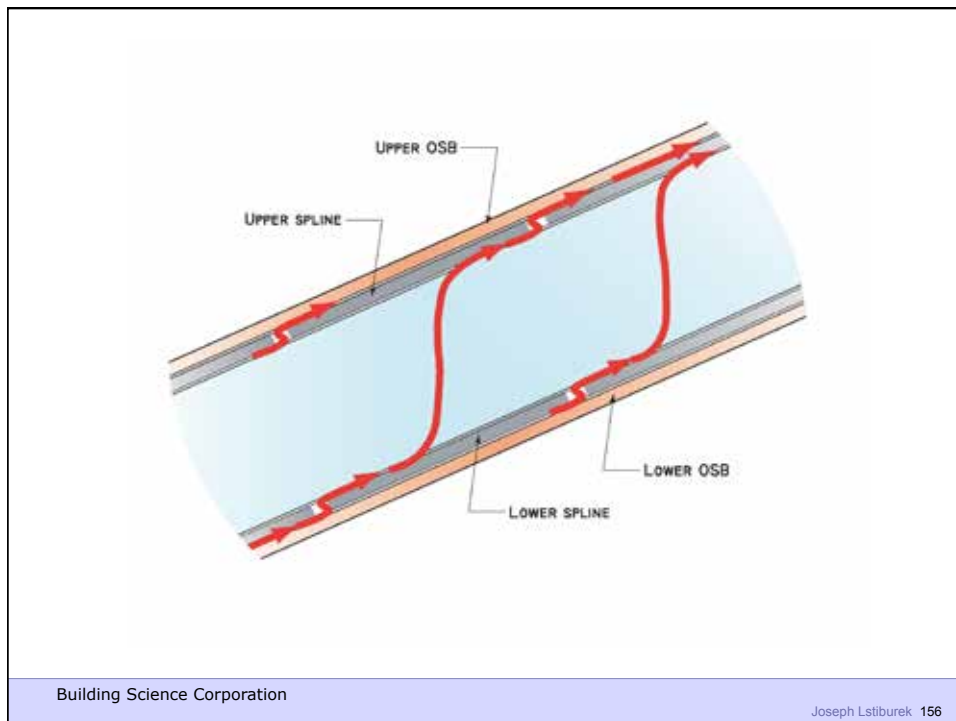
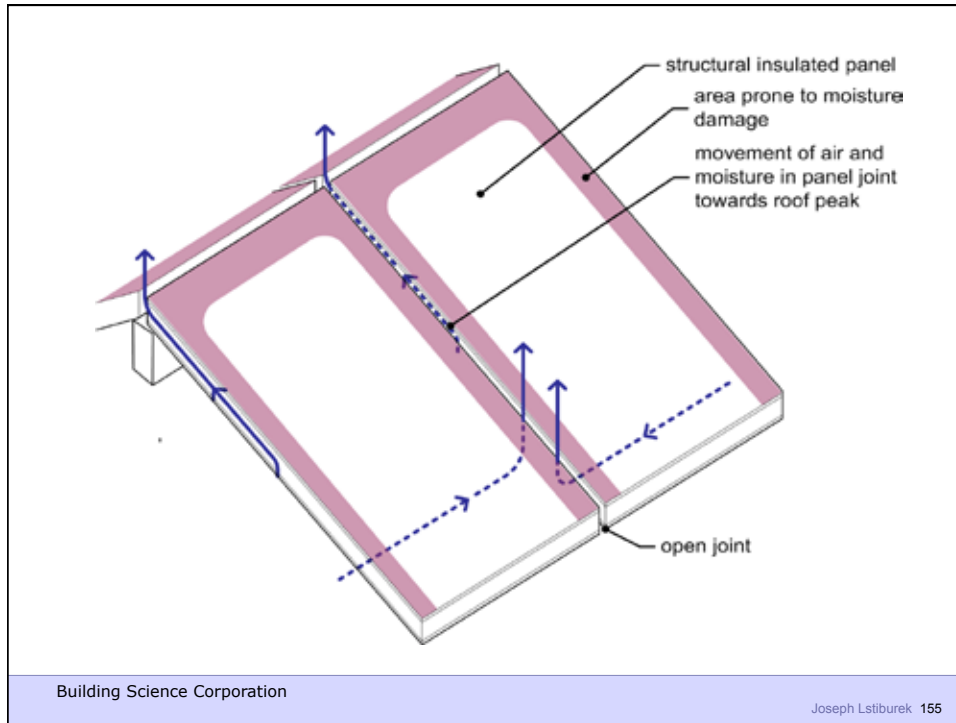
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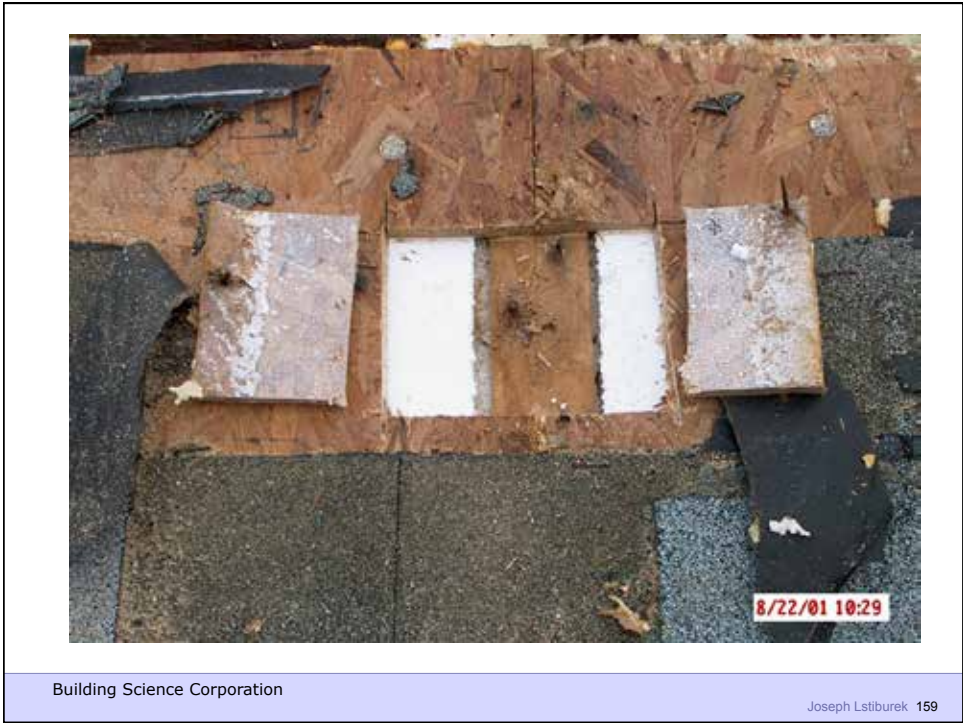
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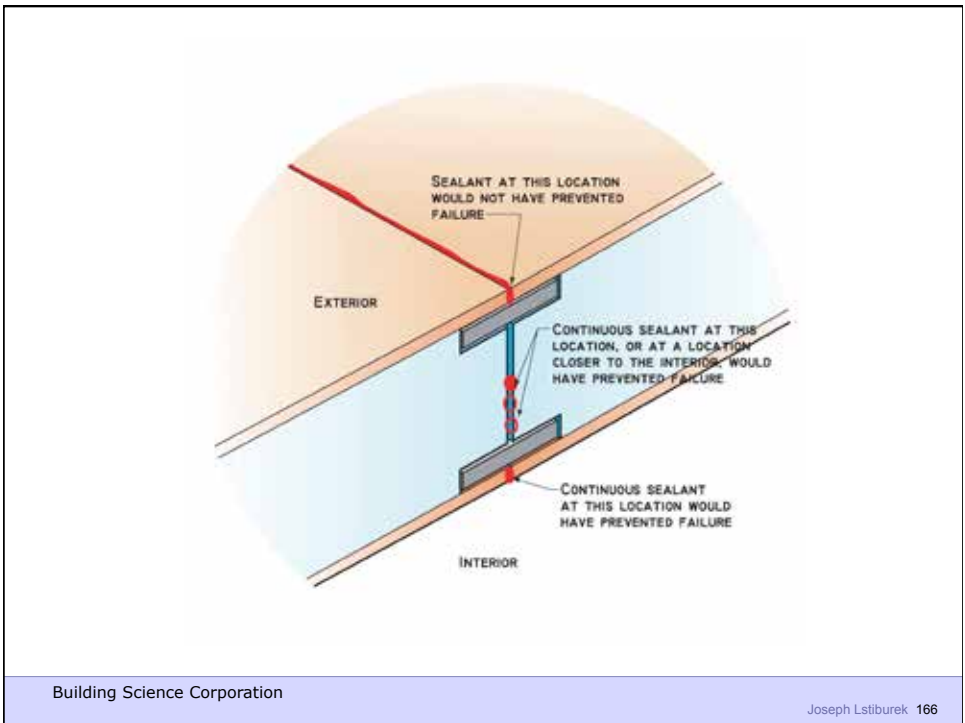
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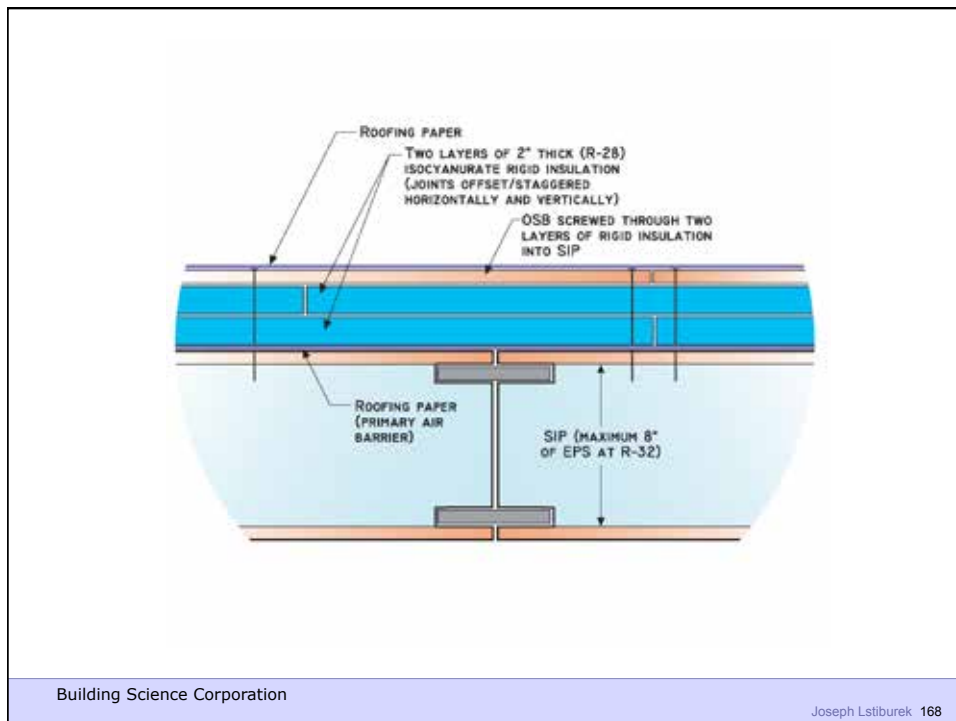
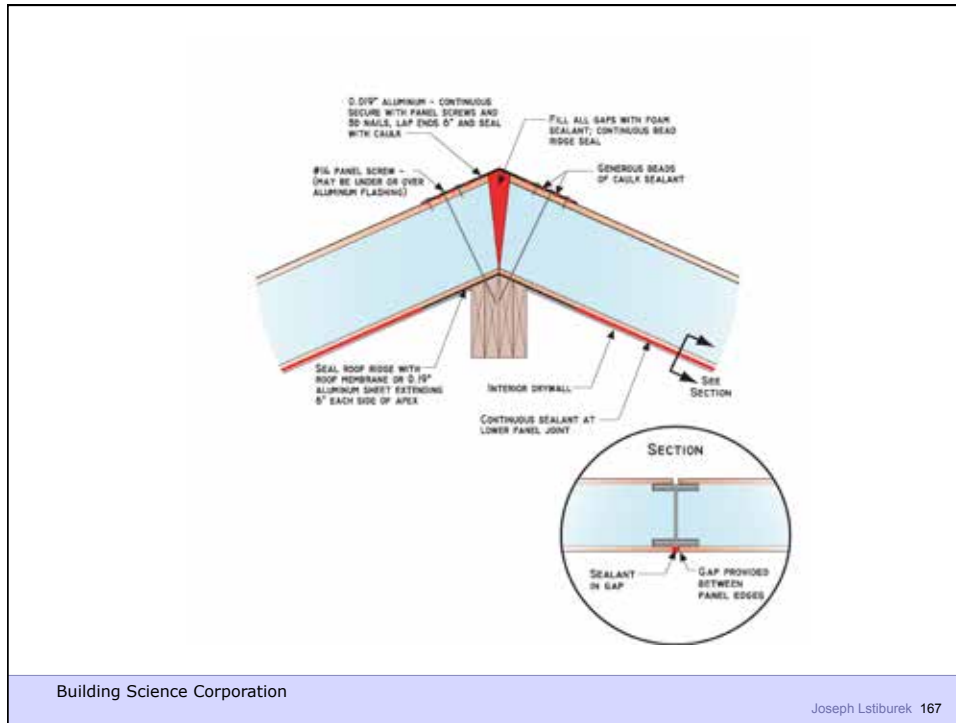
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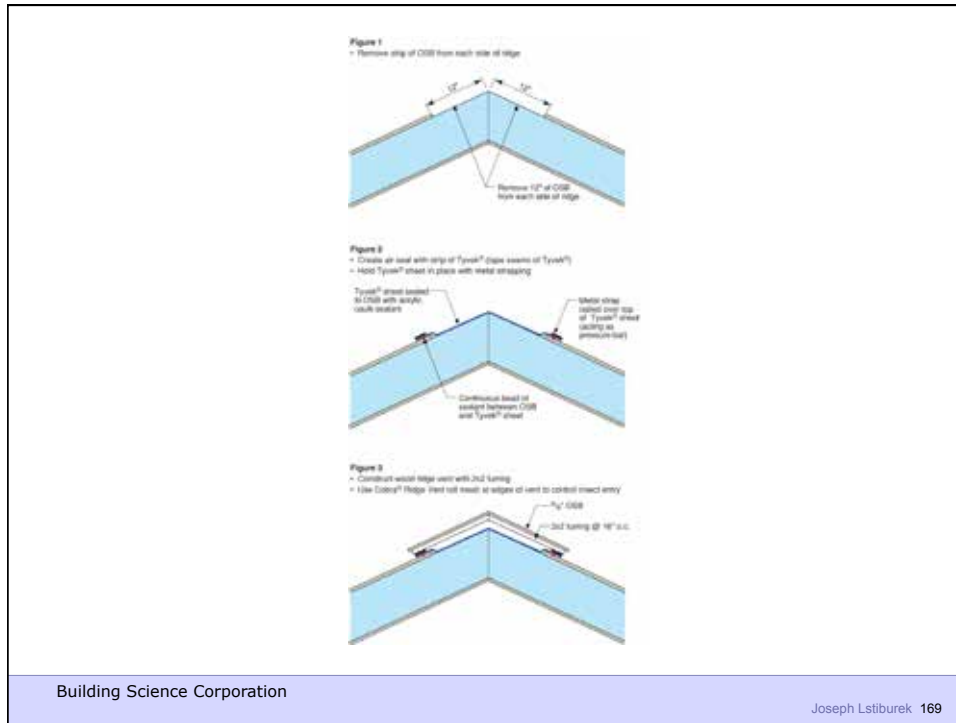


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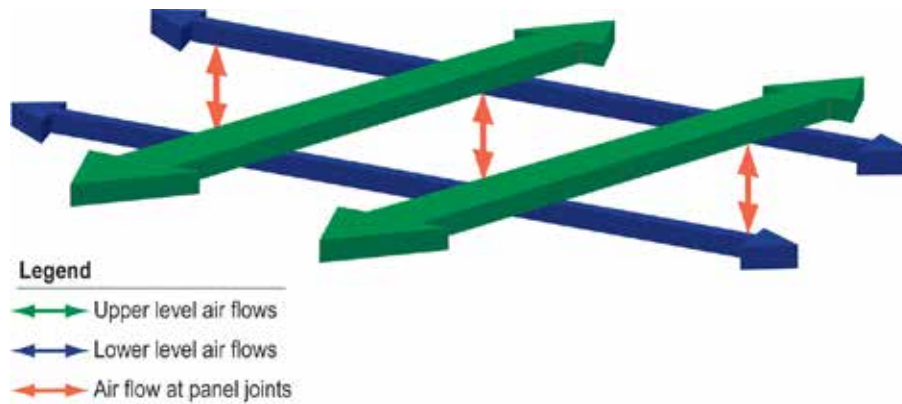
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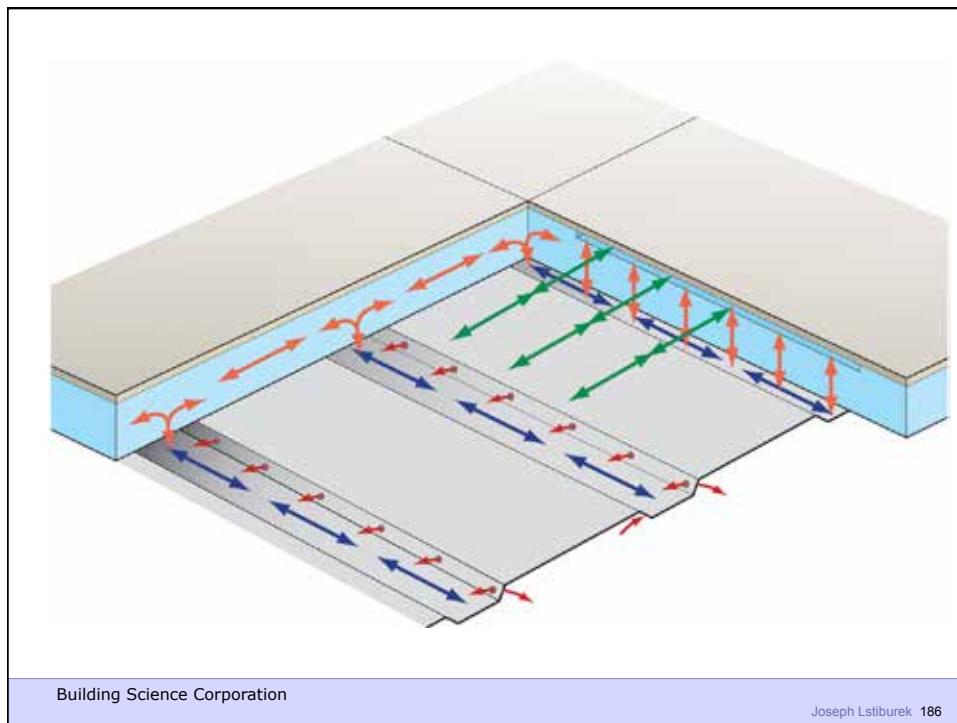
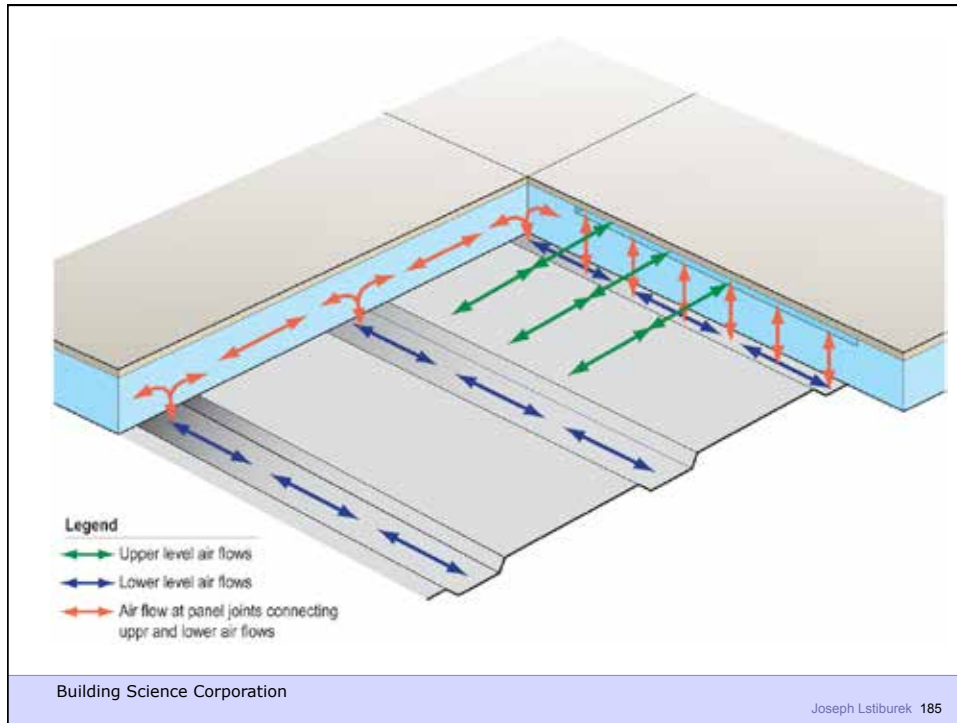


Legend

- ←→ Upper level air flows
- ←→ Lower level air flows
- ↕ Air flow at panel joints

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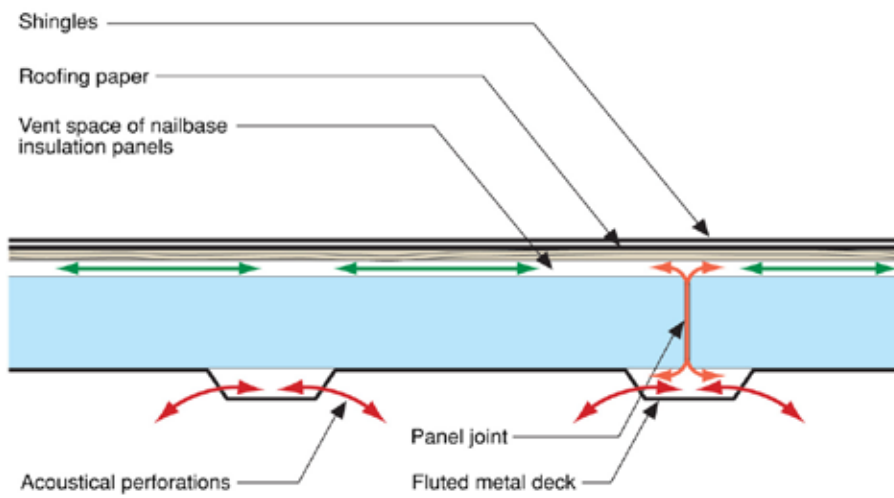
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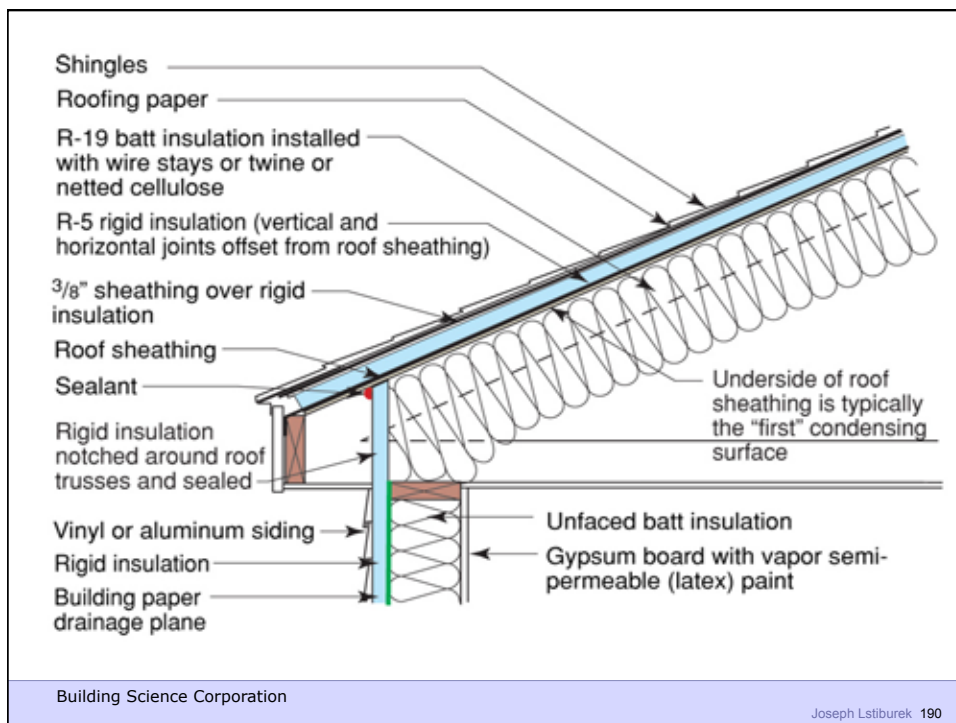
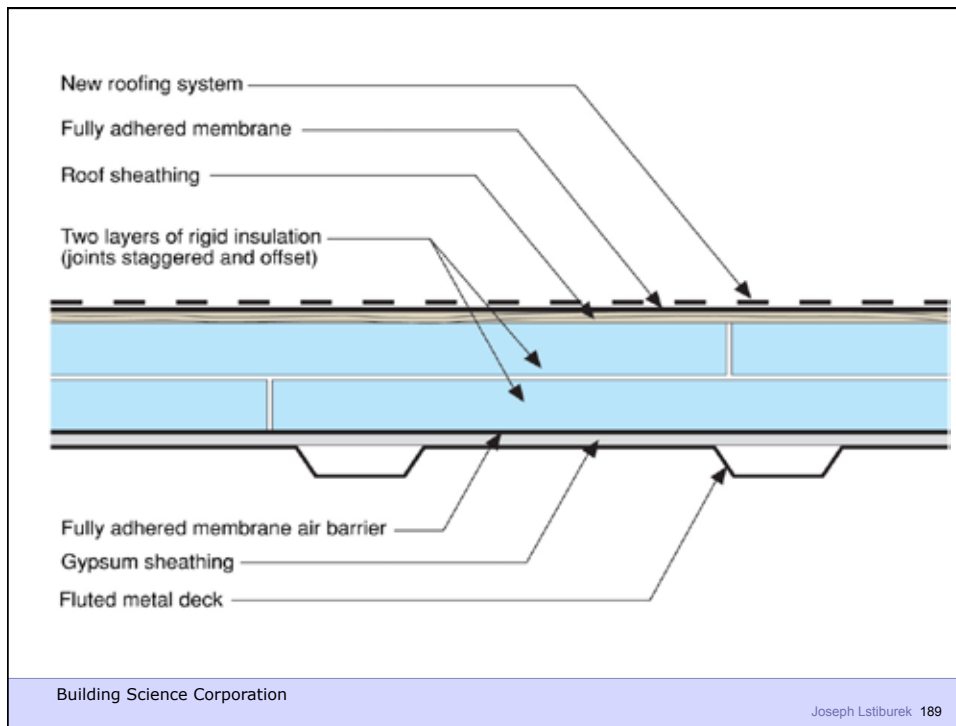
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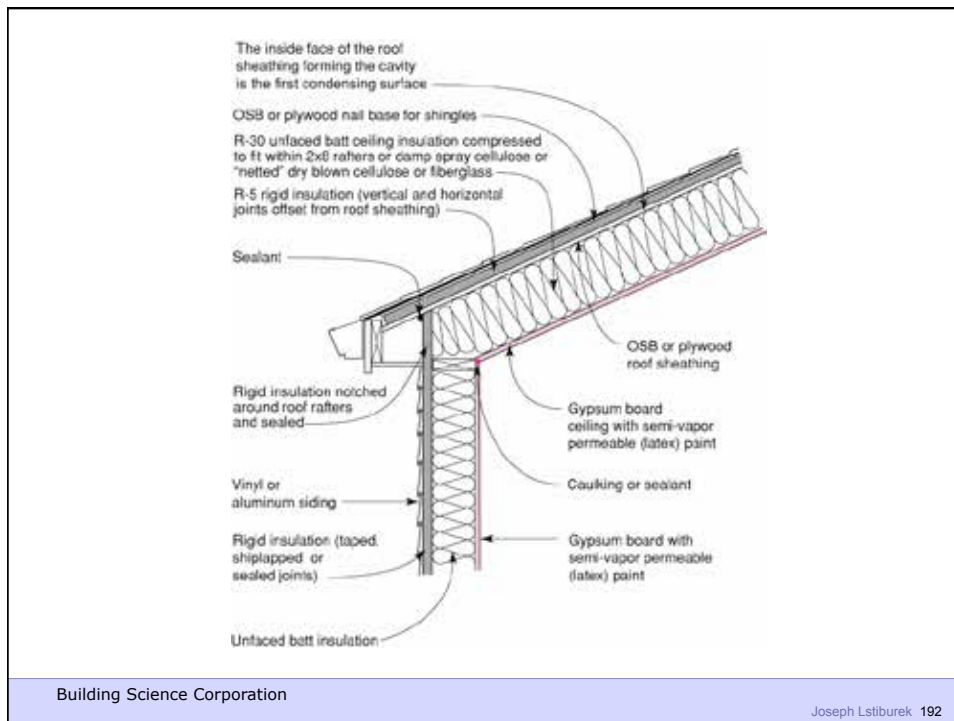
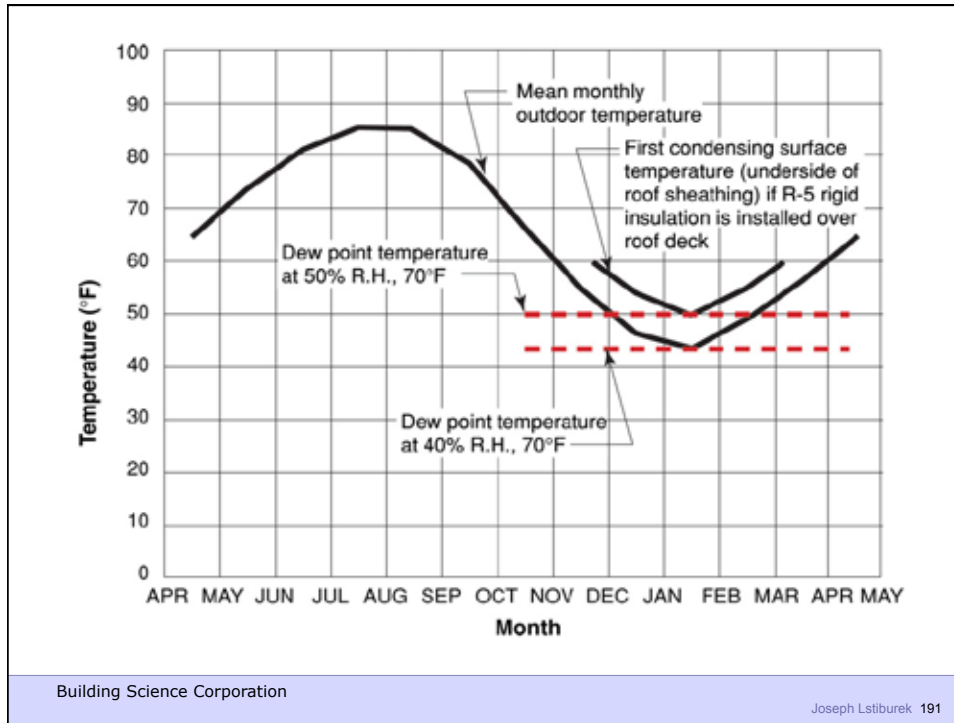
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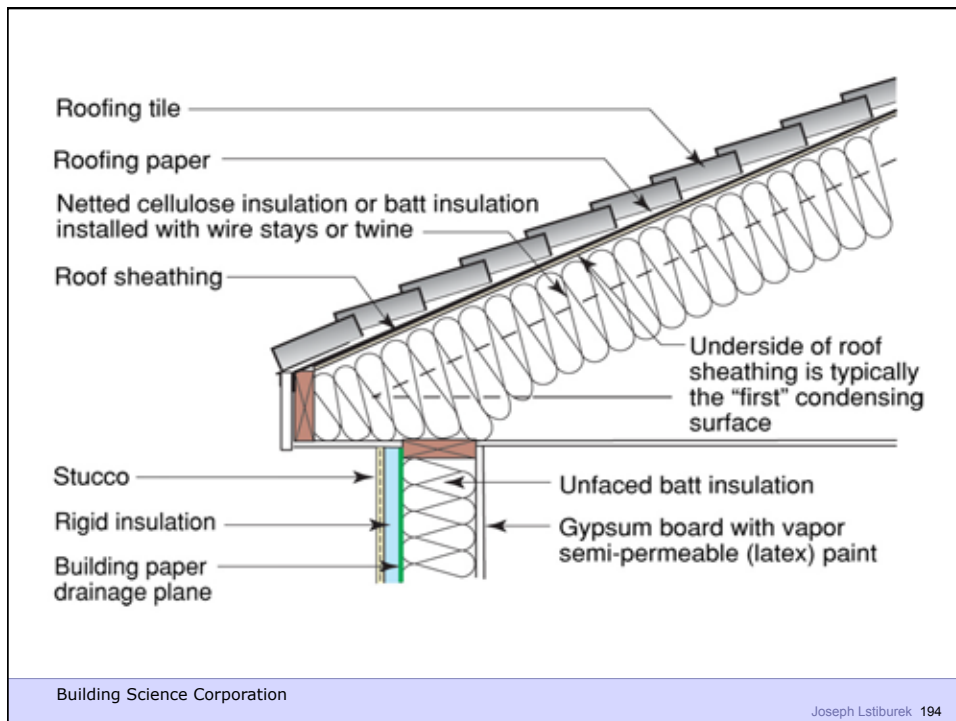
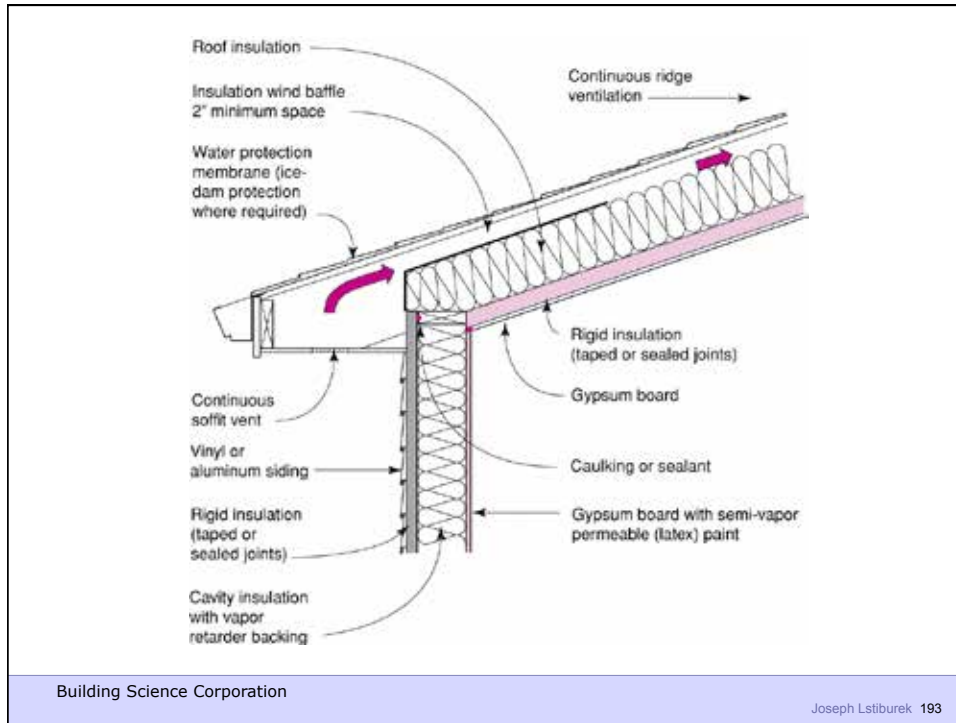


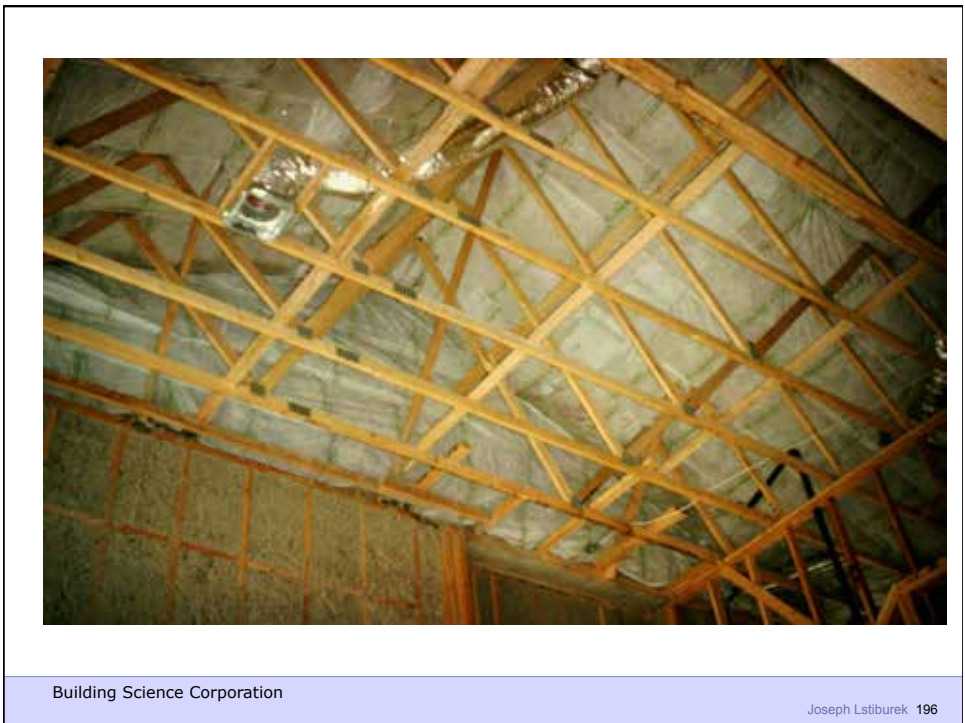
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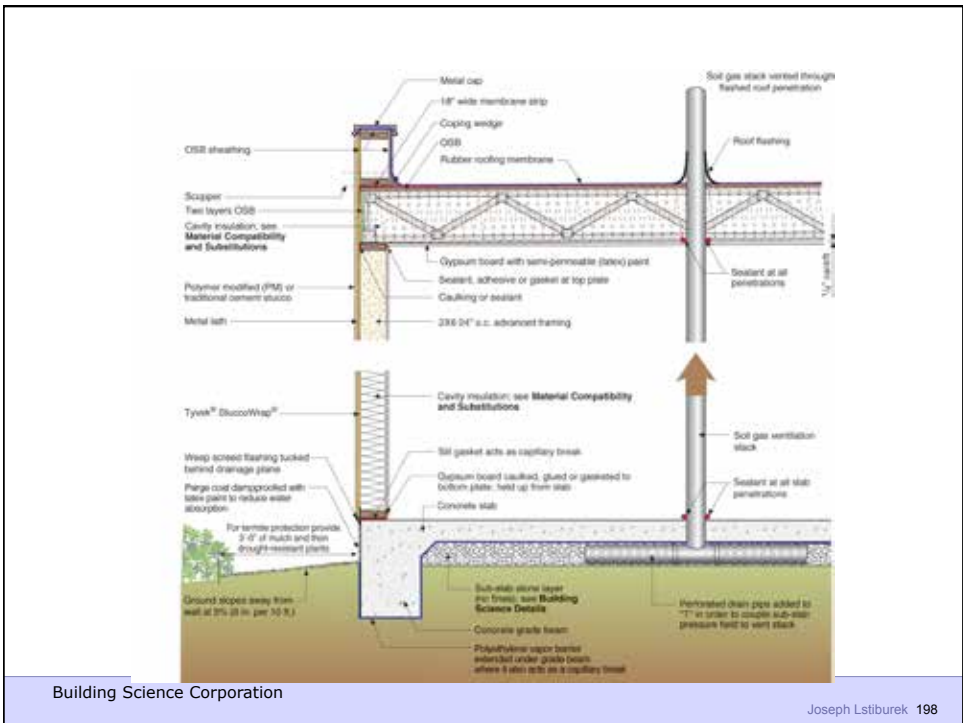






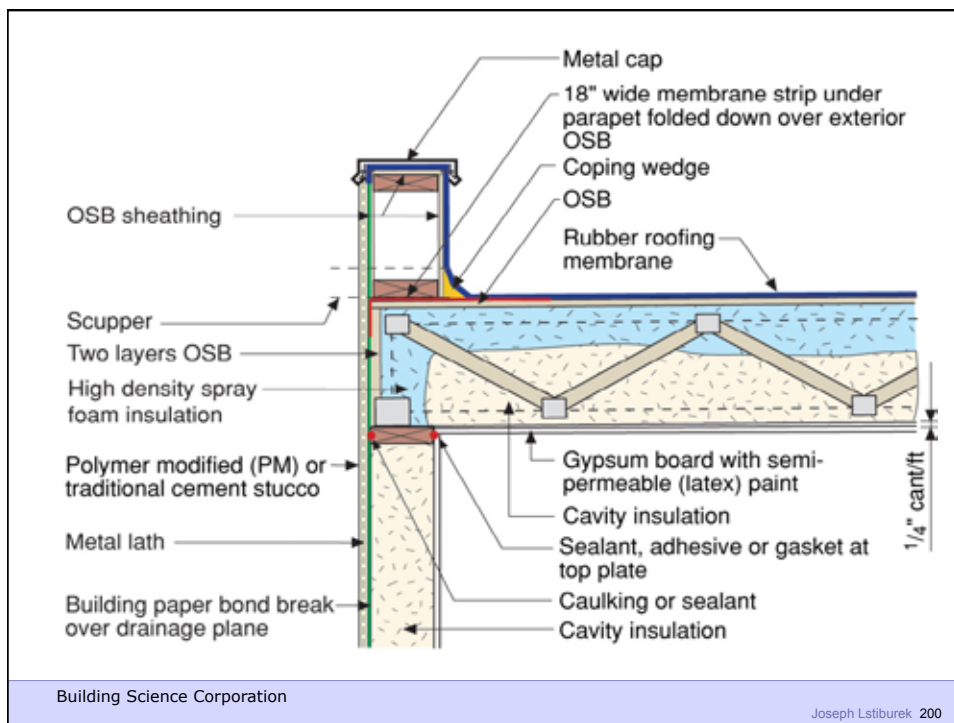
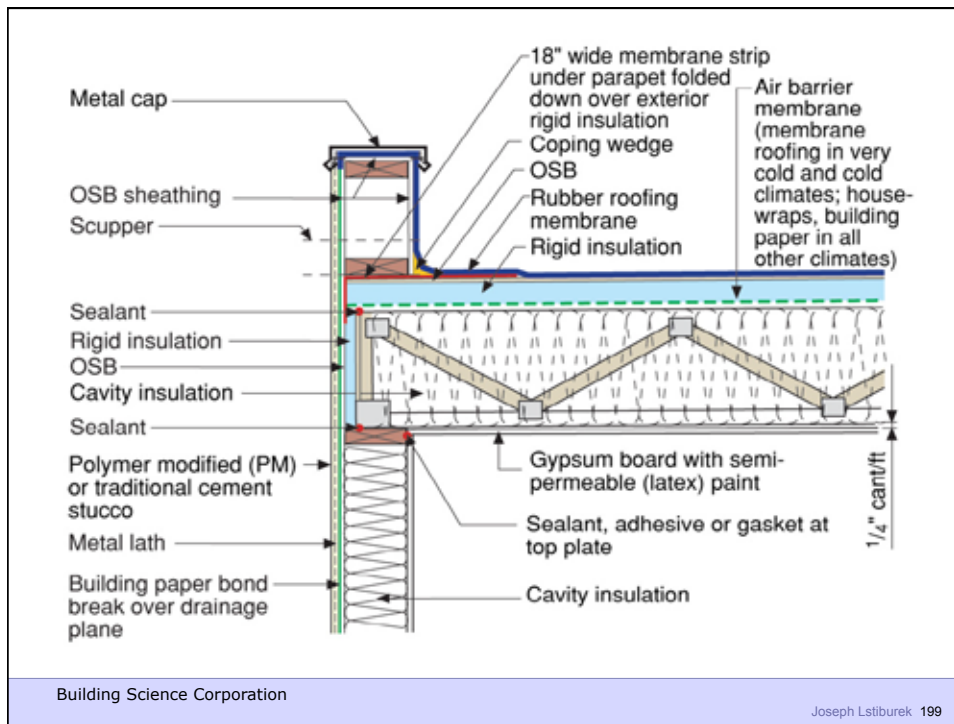
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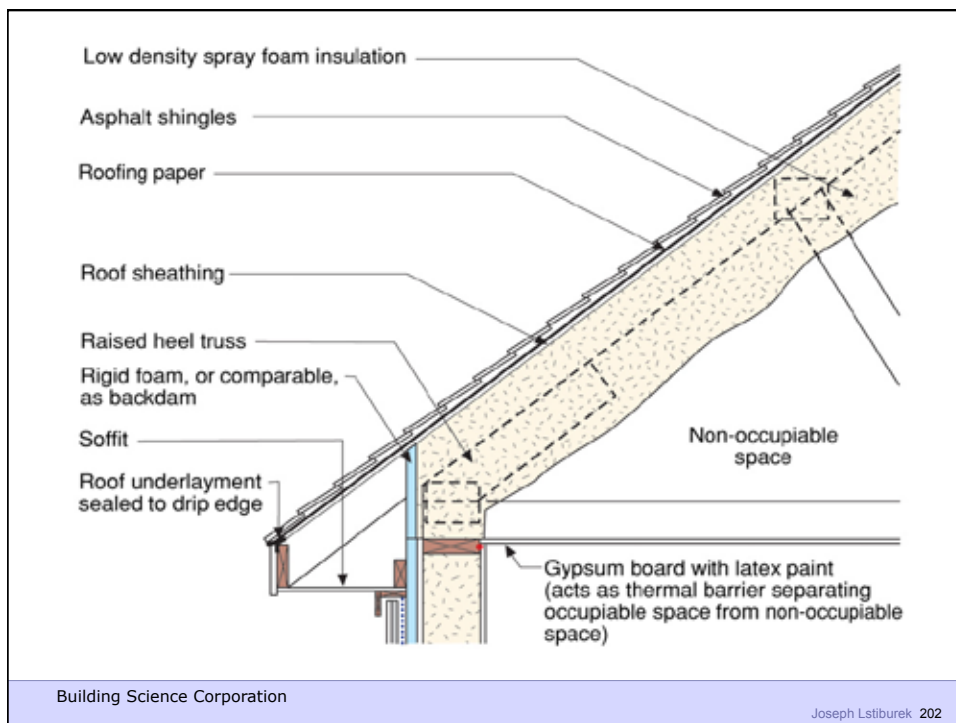
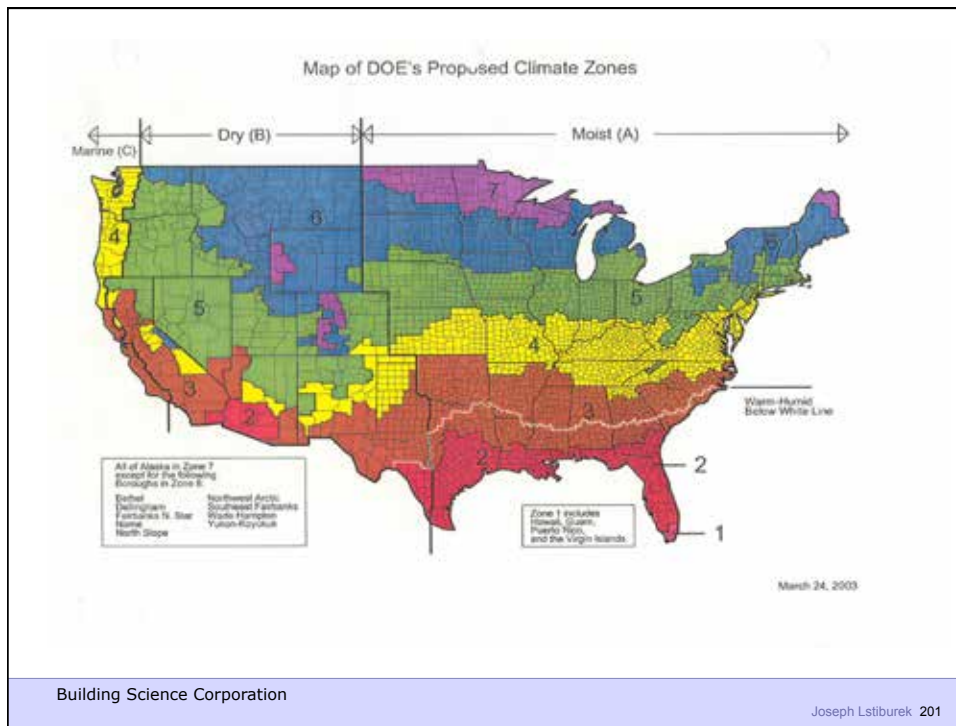
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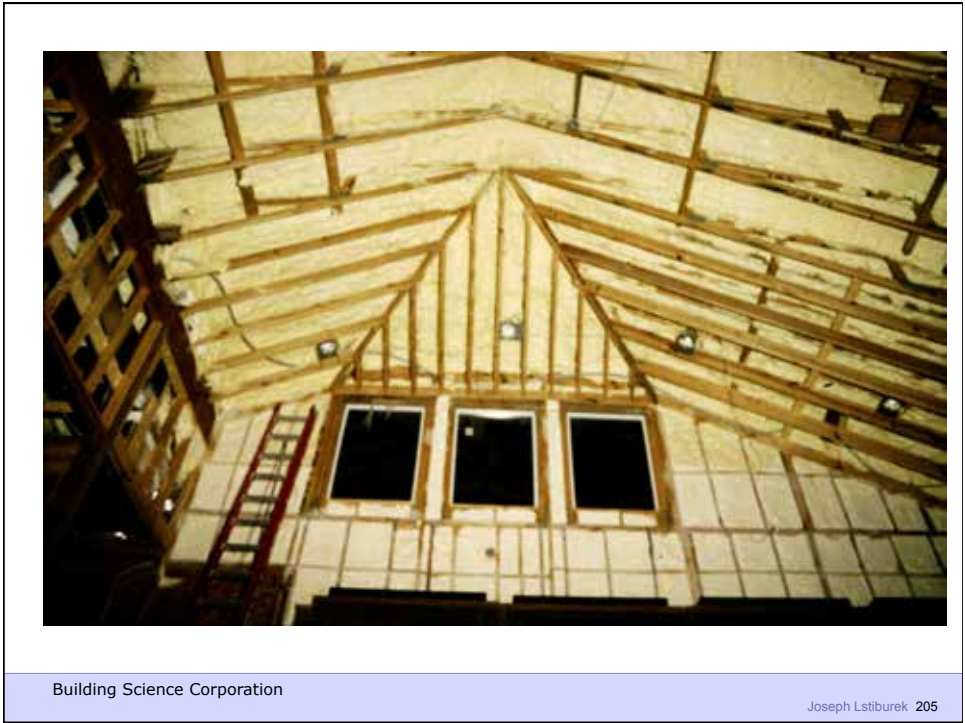
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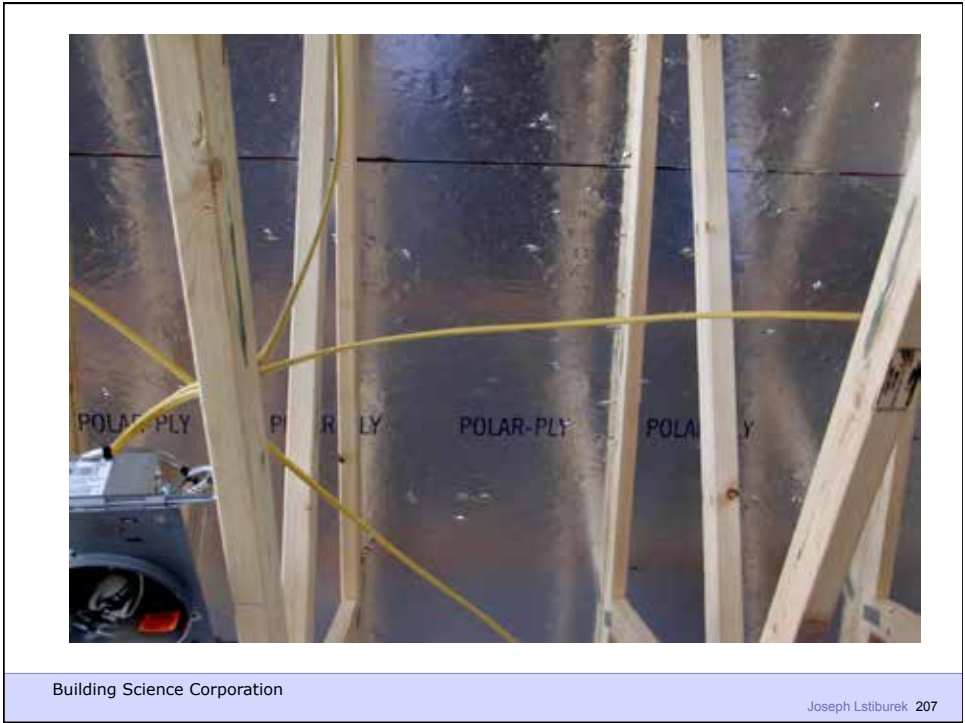
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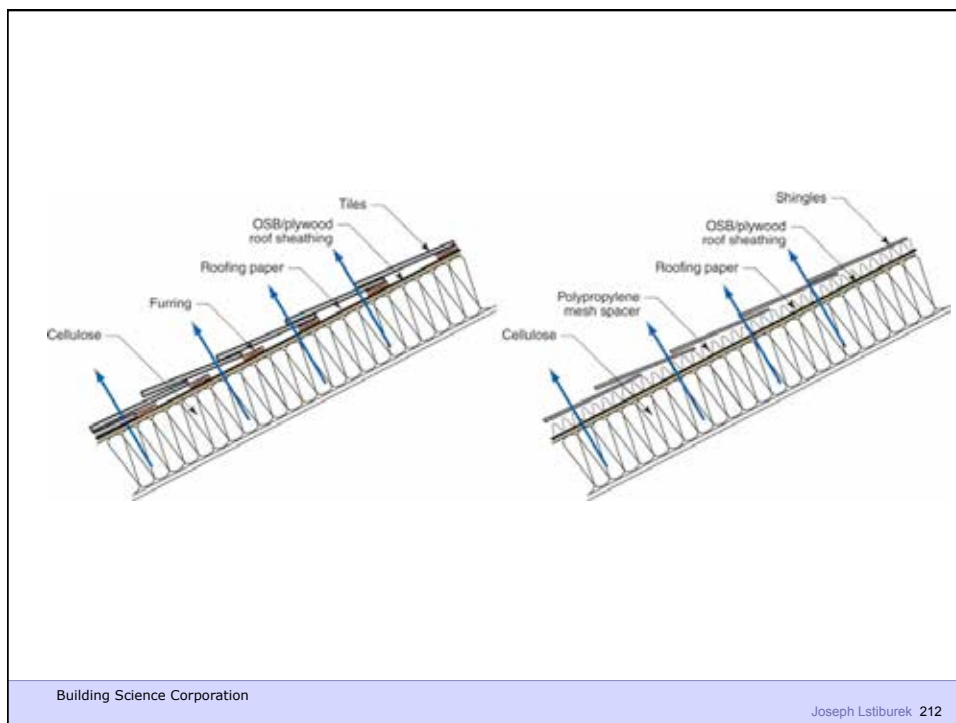
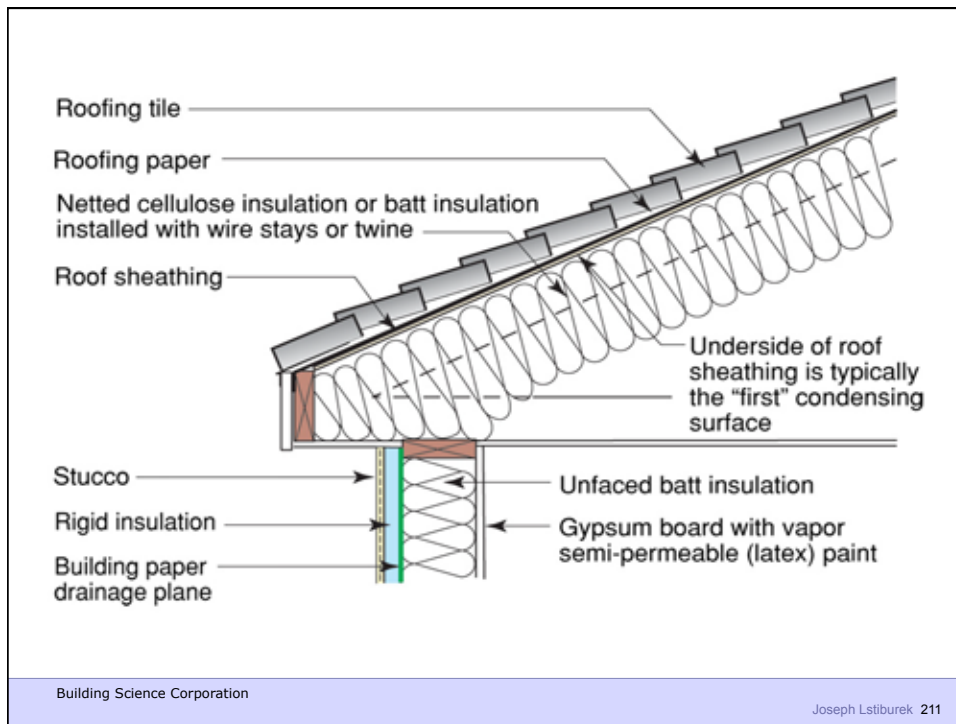
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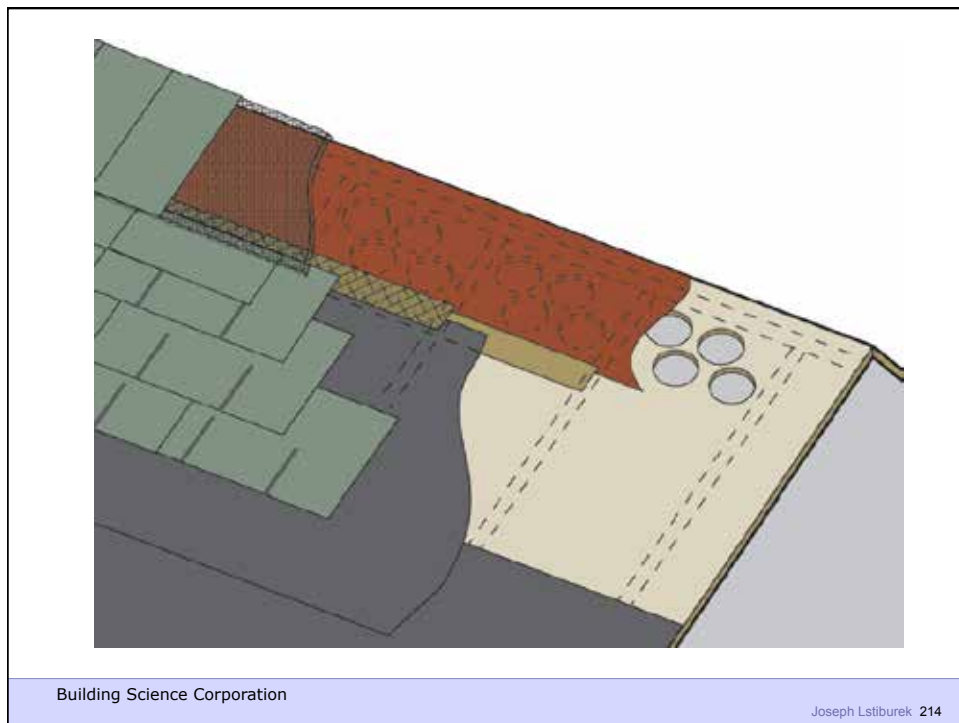
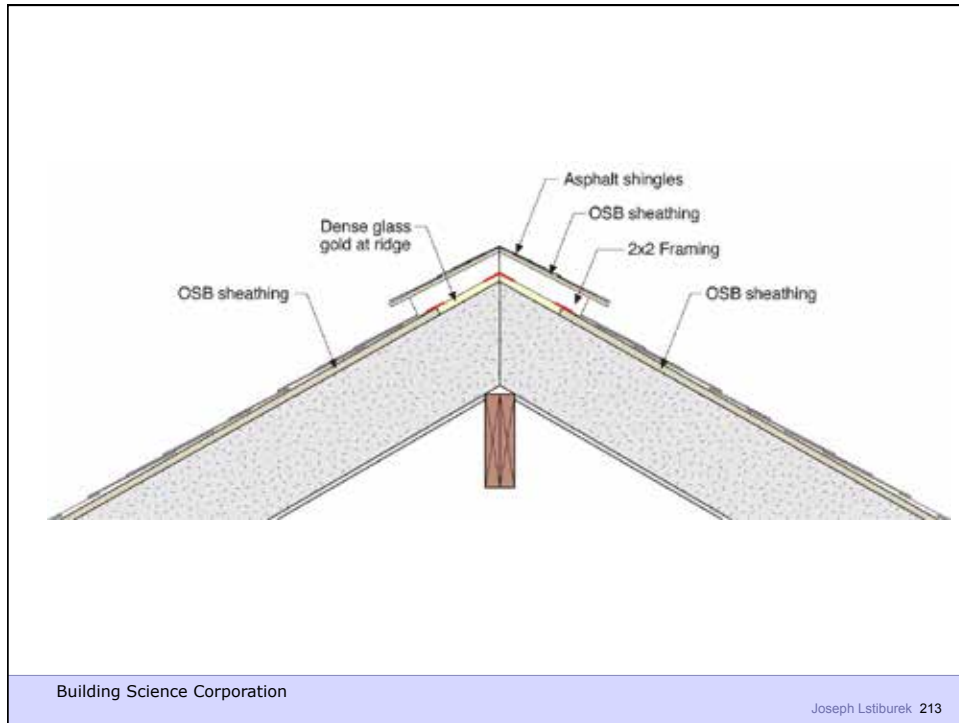
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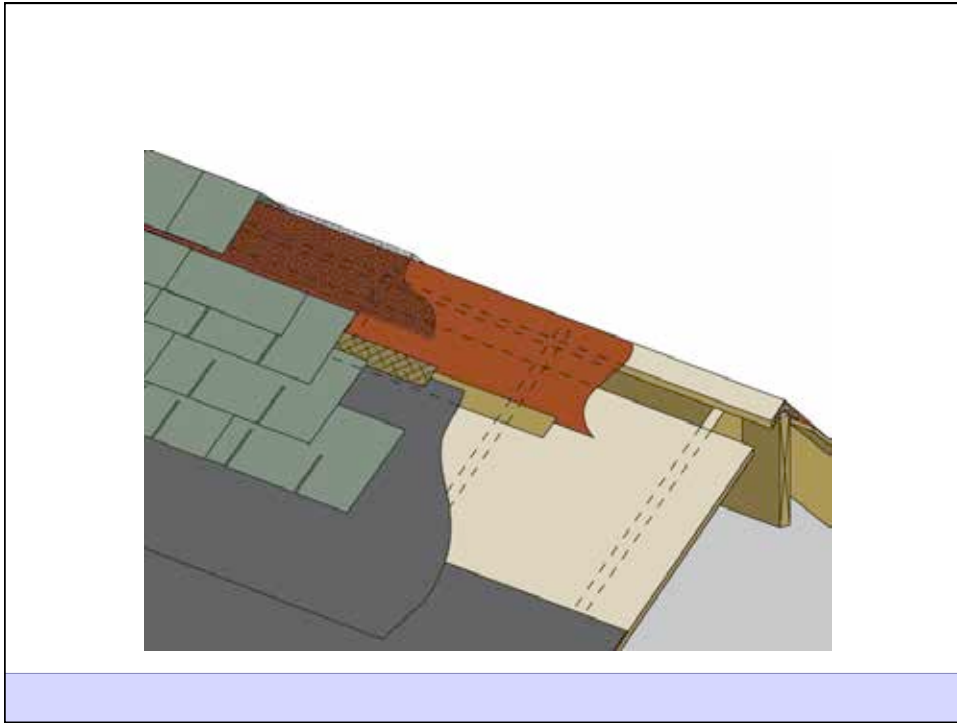














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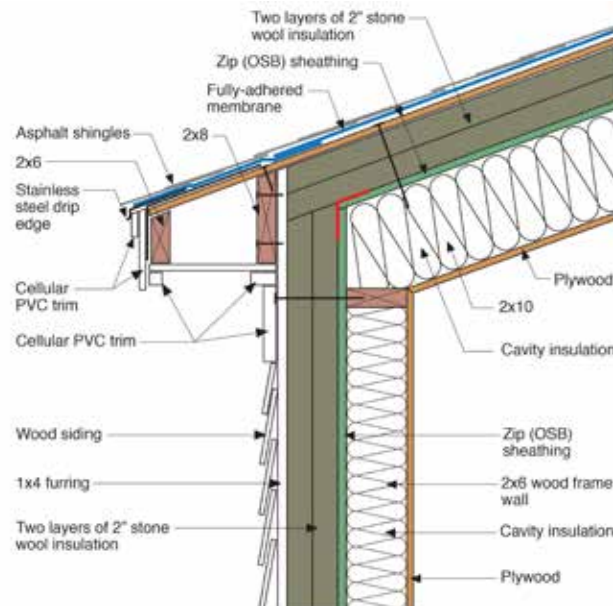
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