

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

Building Science

Adventures In Building Science

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A Building is an Environmental Separator

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Joseph Lstiburek 2

- Water Control Layer
- Air Control Layer
- Vapor Control Layer
- Thermal Control Layer

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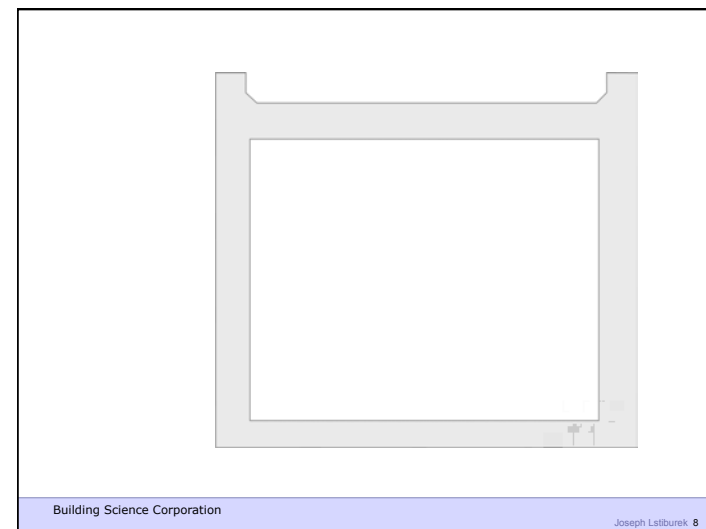
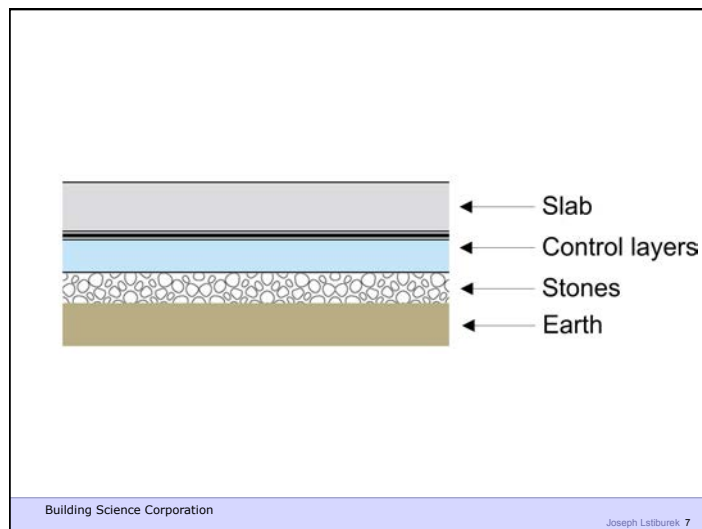
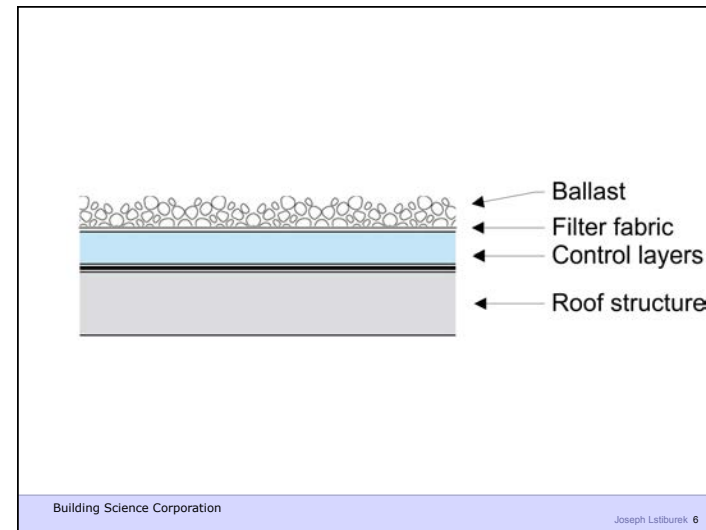
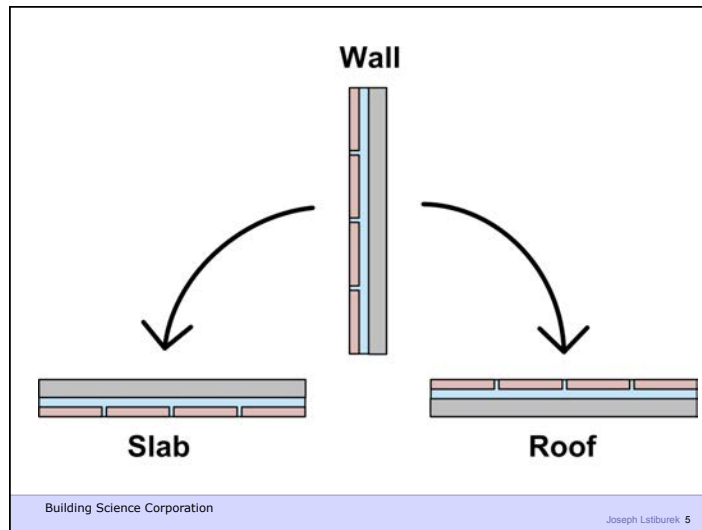
Cladding

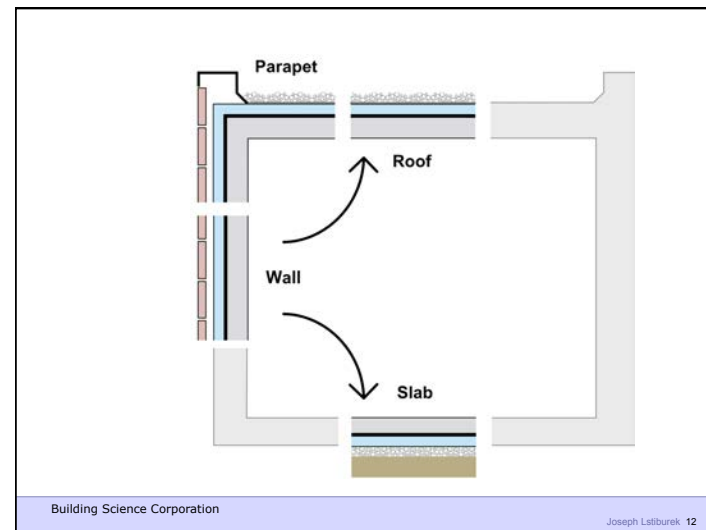
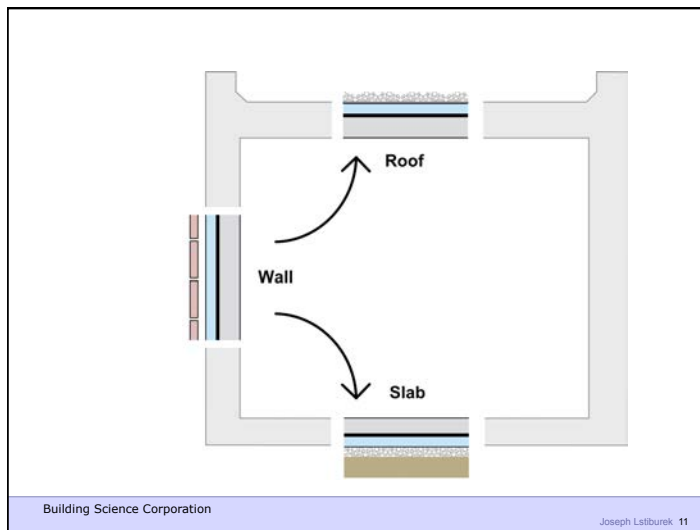
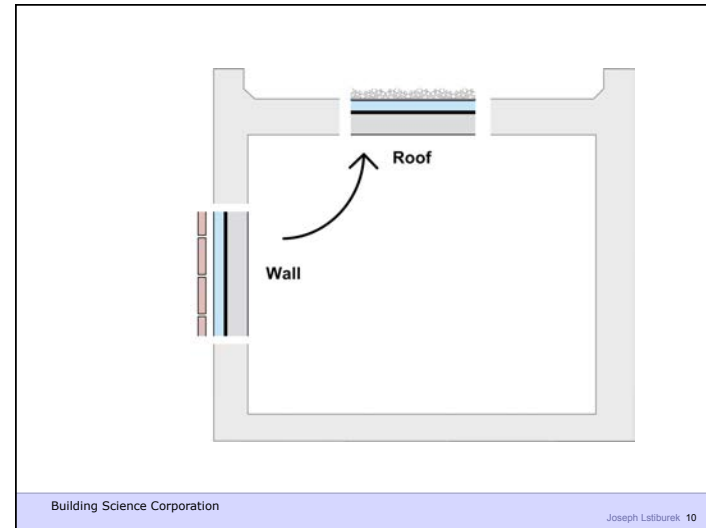
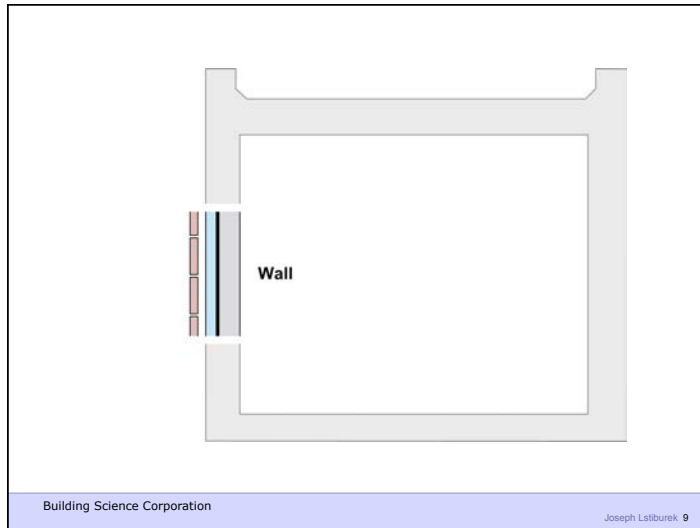
Control layers

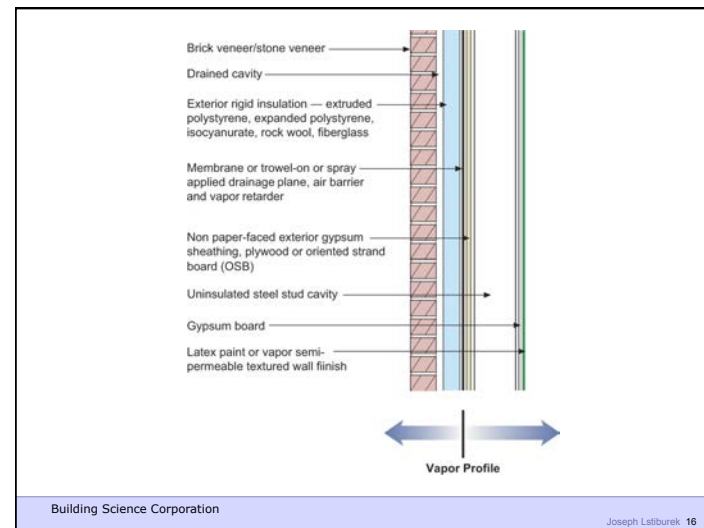
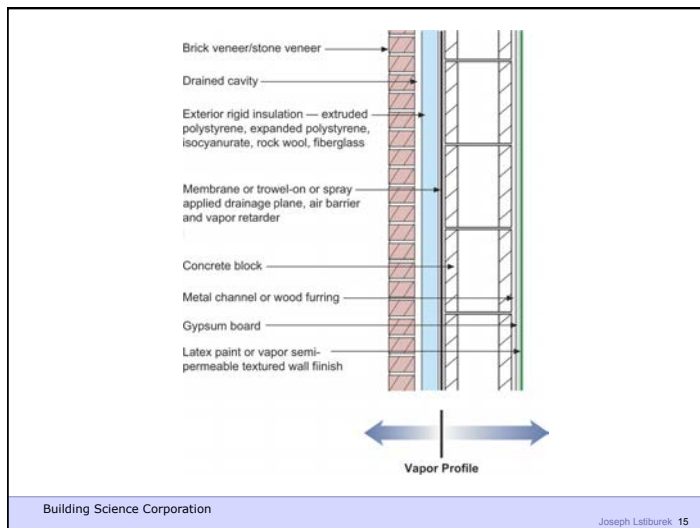
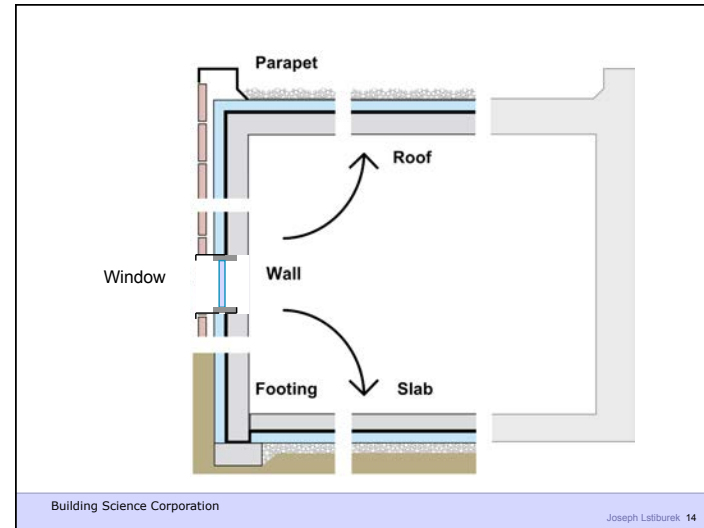
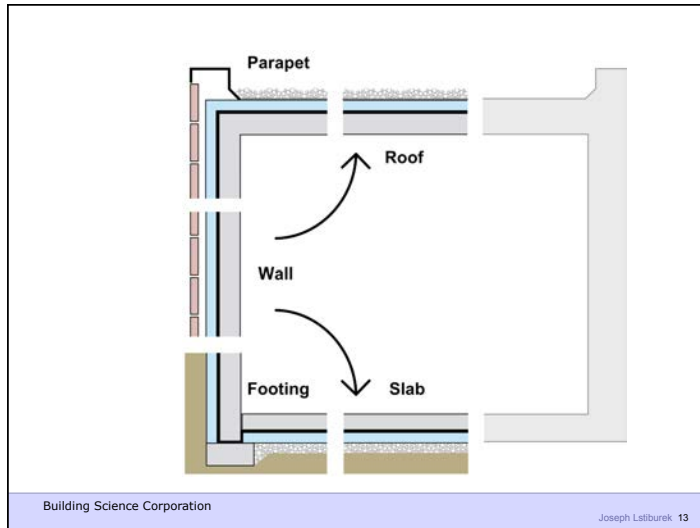
Structure

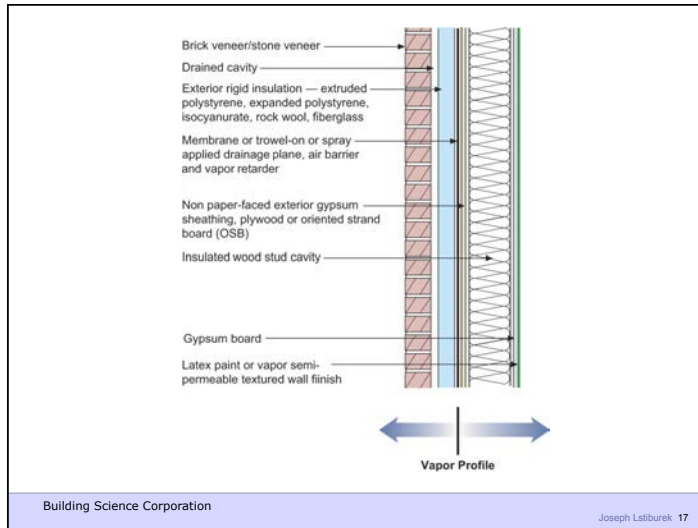
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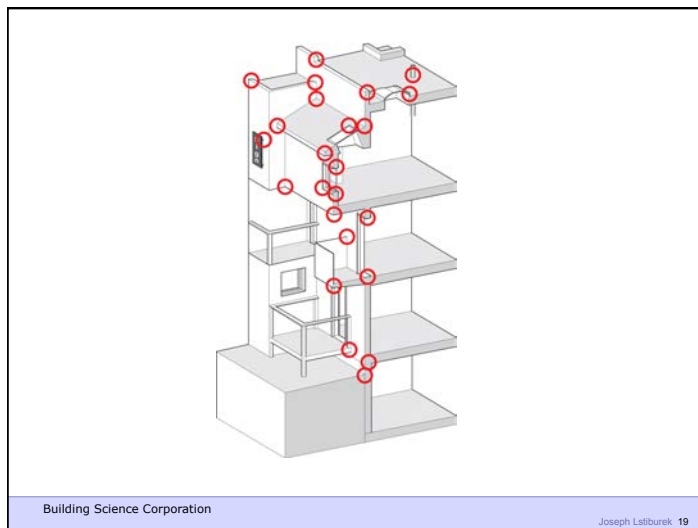


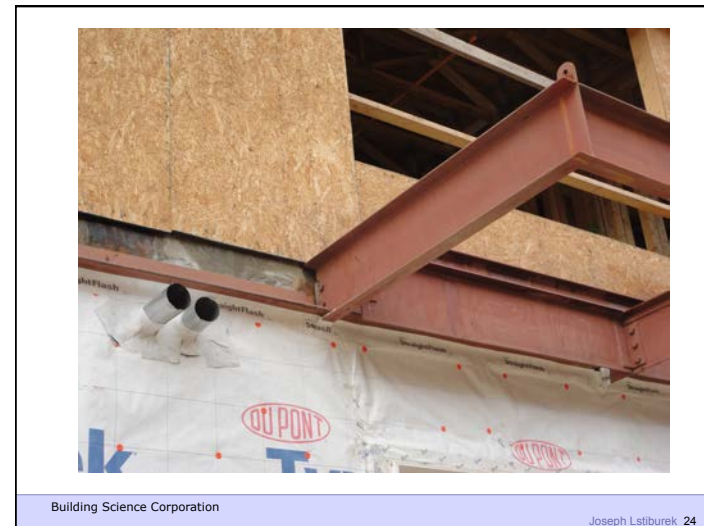
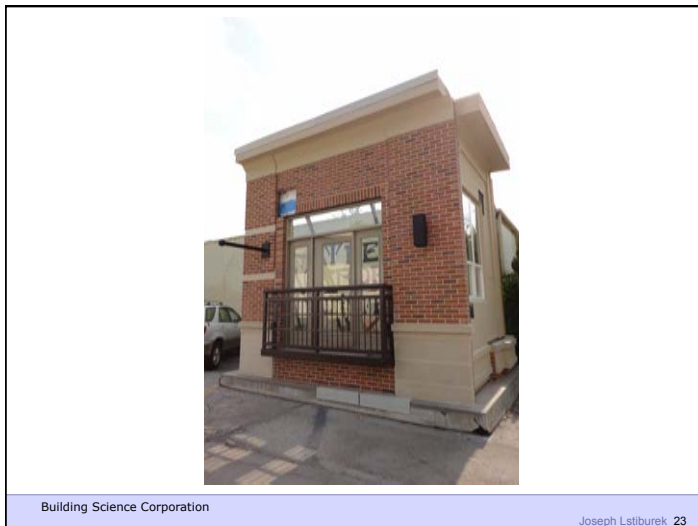


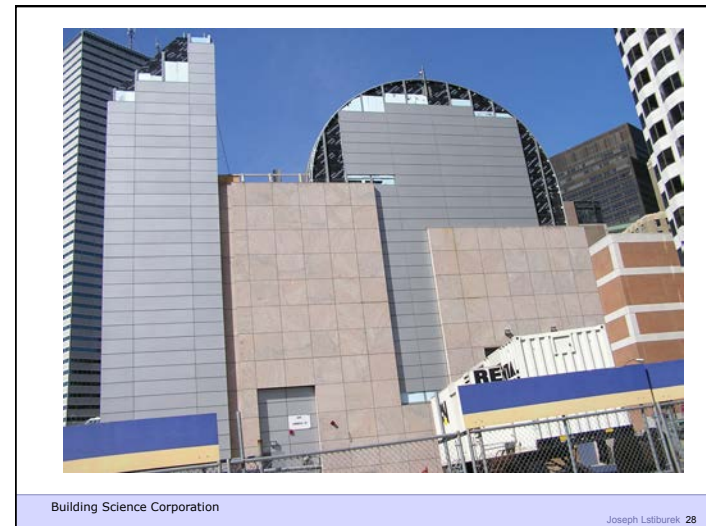
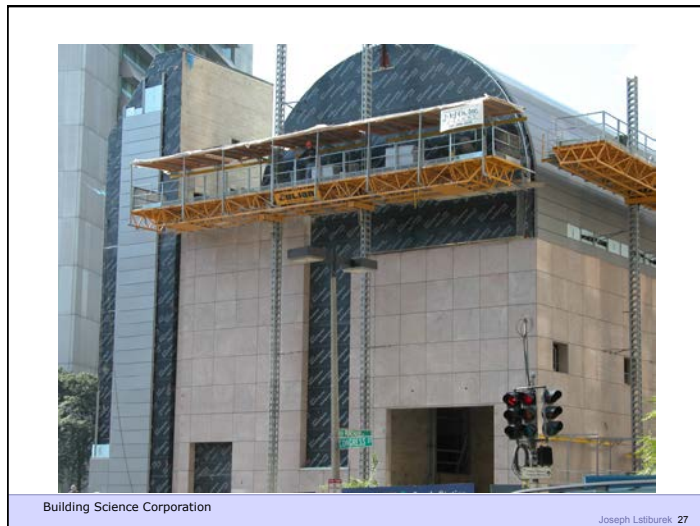
Commercial Enclosure: Simple Layers

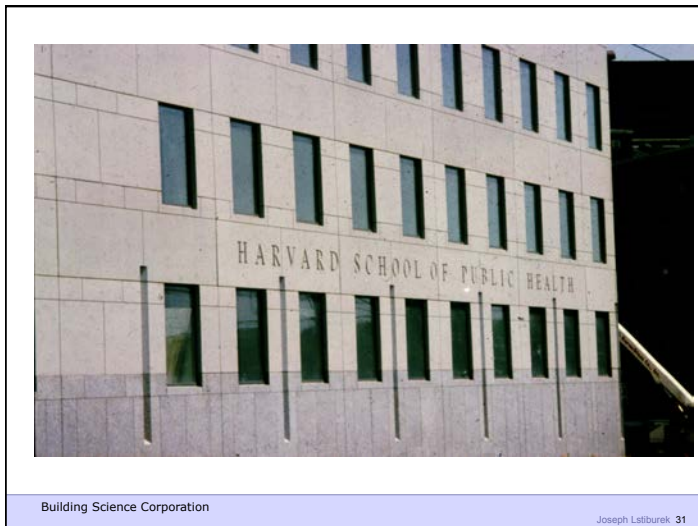
- Structure
- Rain/Air/Vapor
- Insulation
- Finish

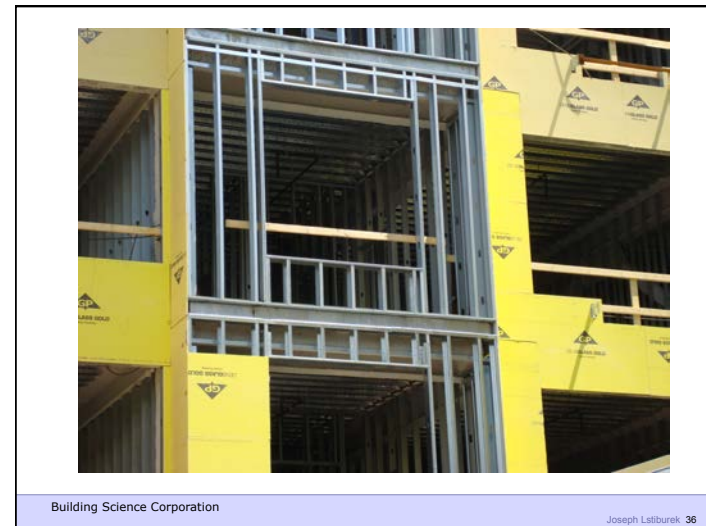
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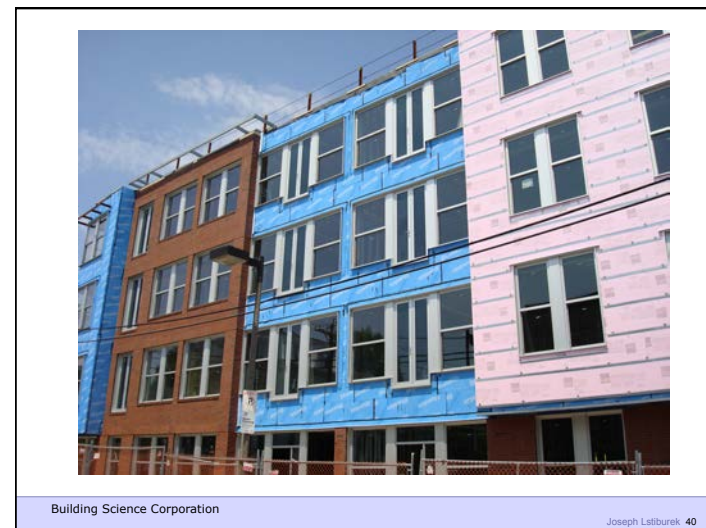


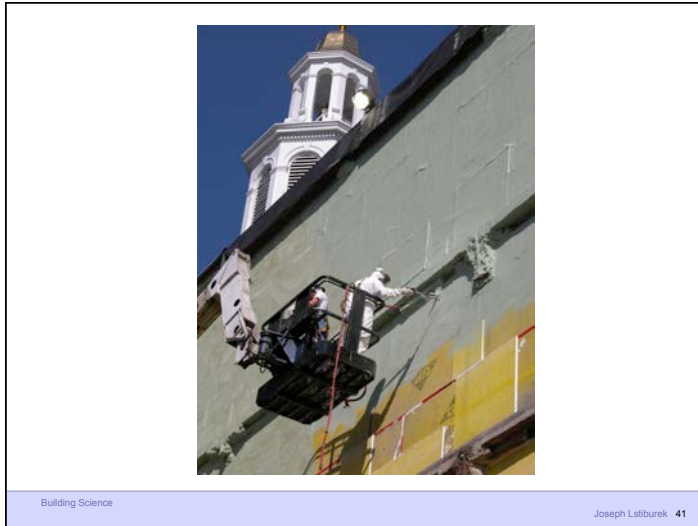


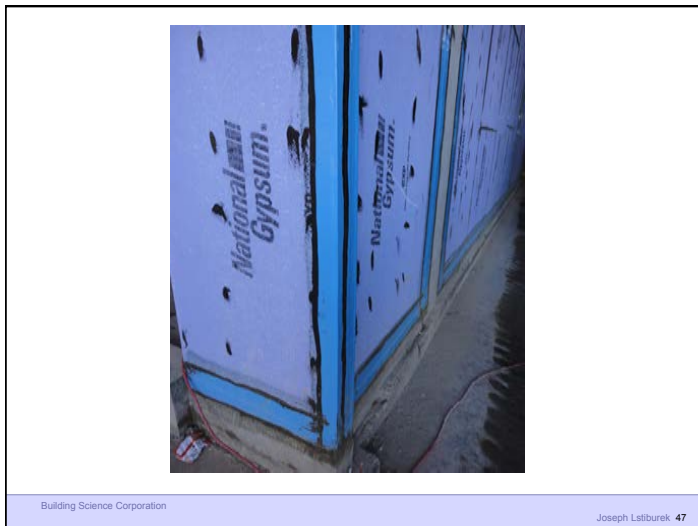
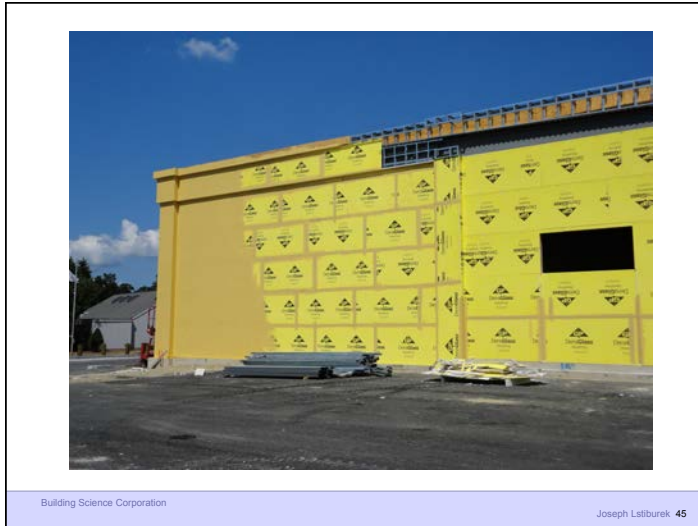


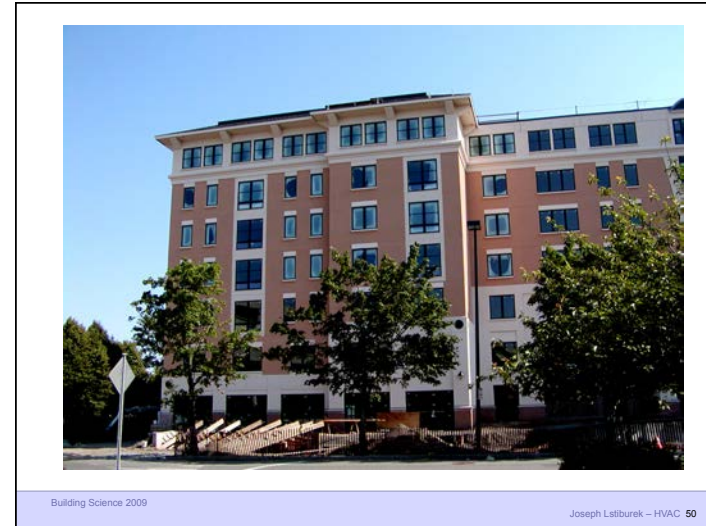


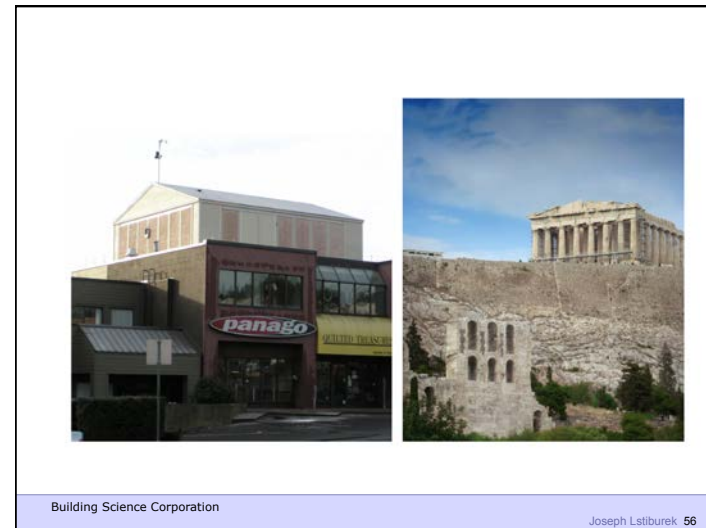
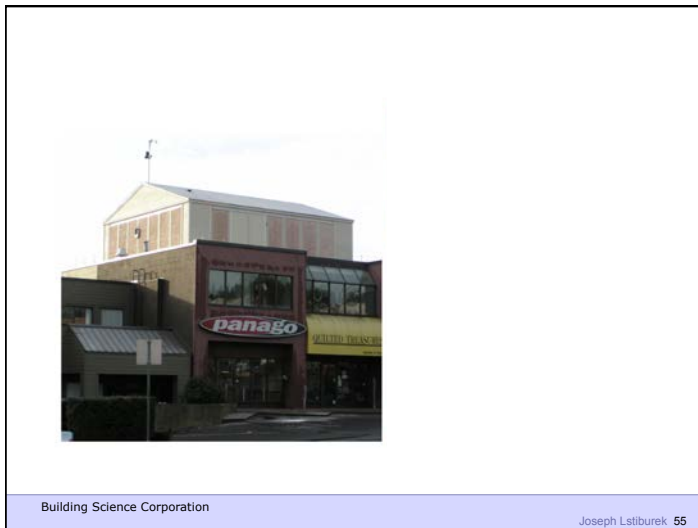
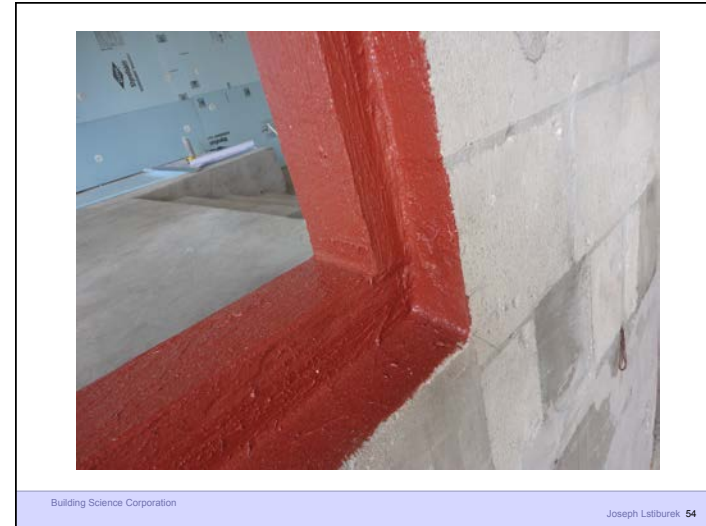


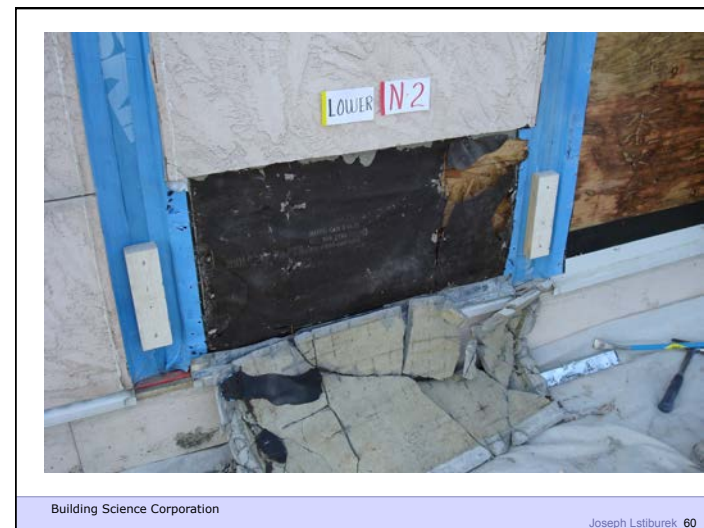


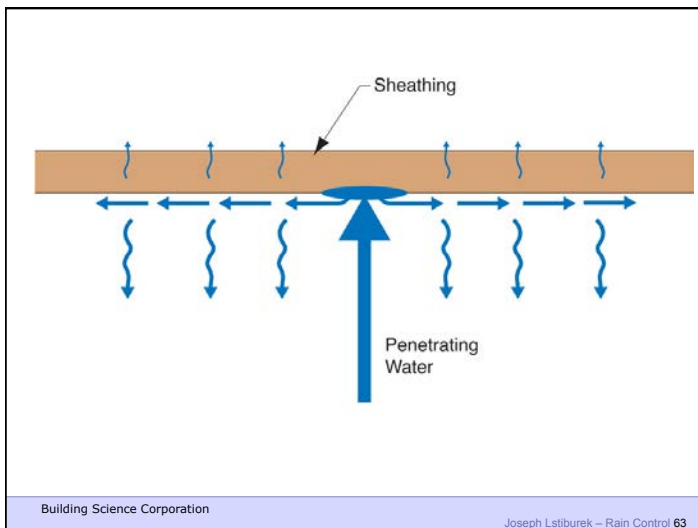
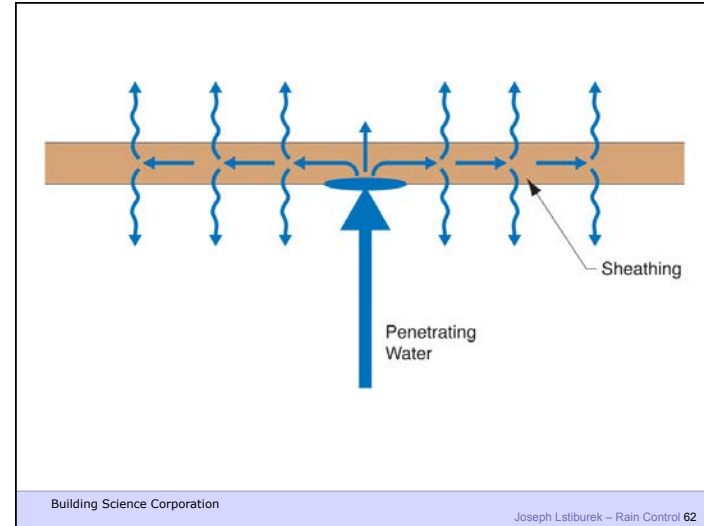






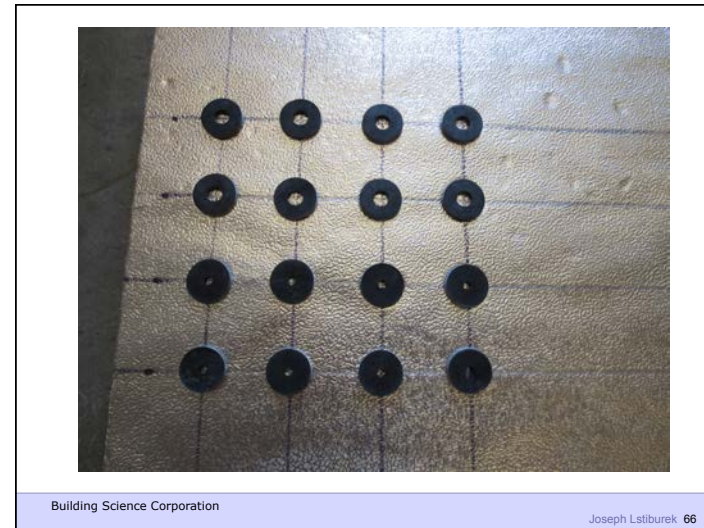






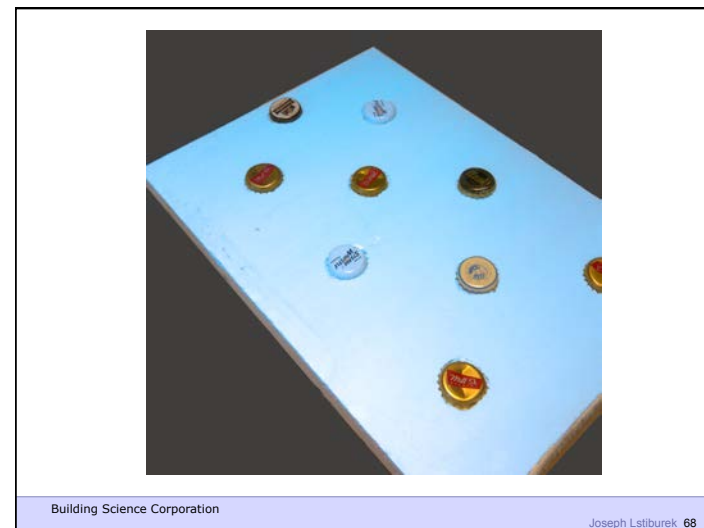
Rain Screen

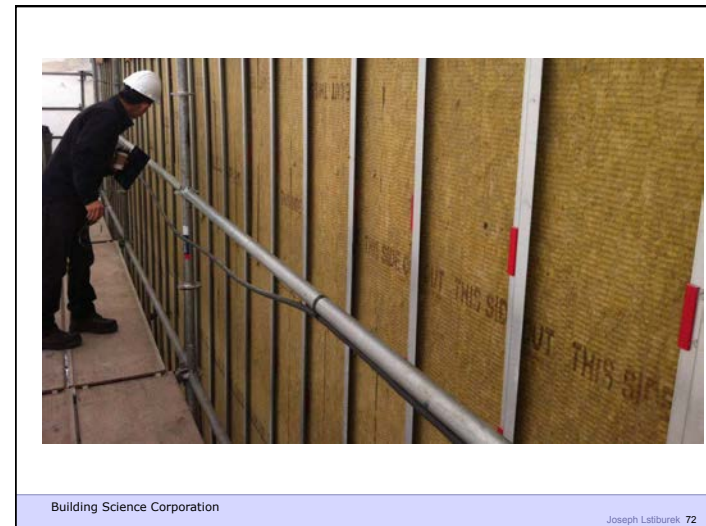
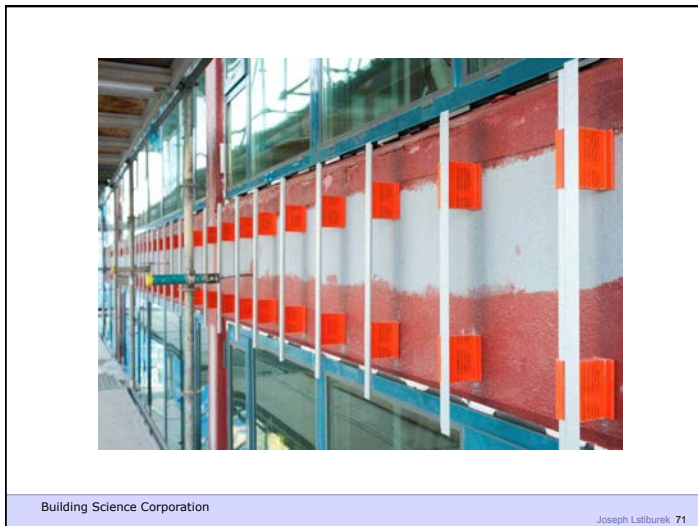
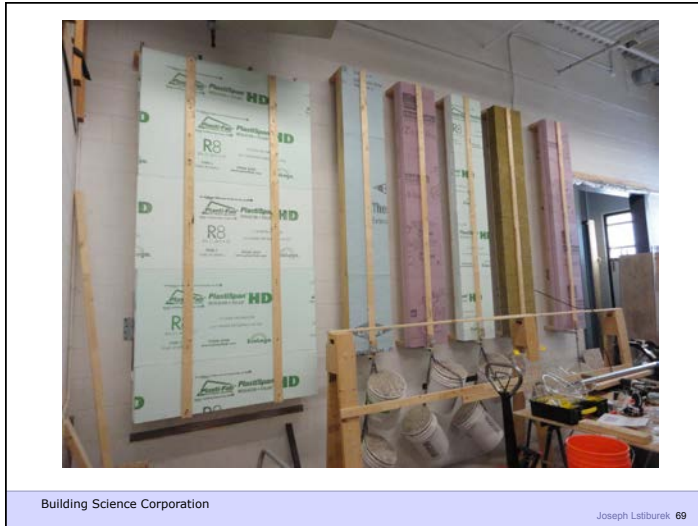
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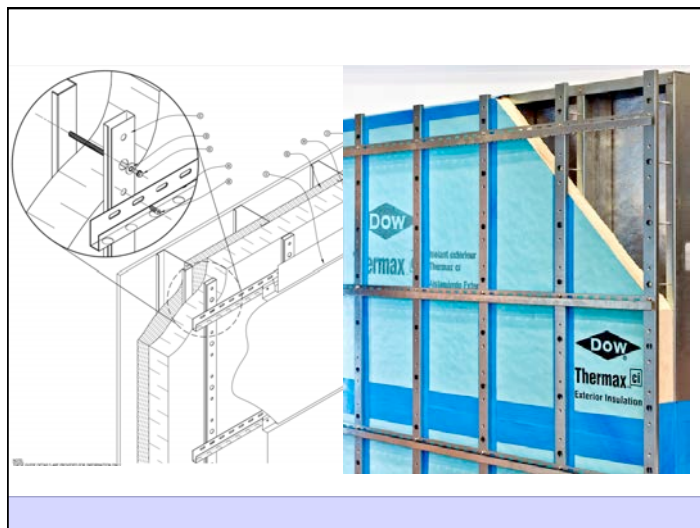
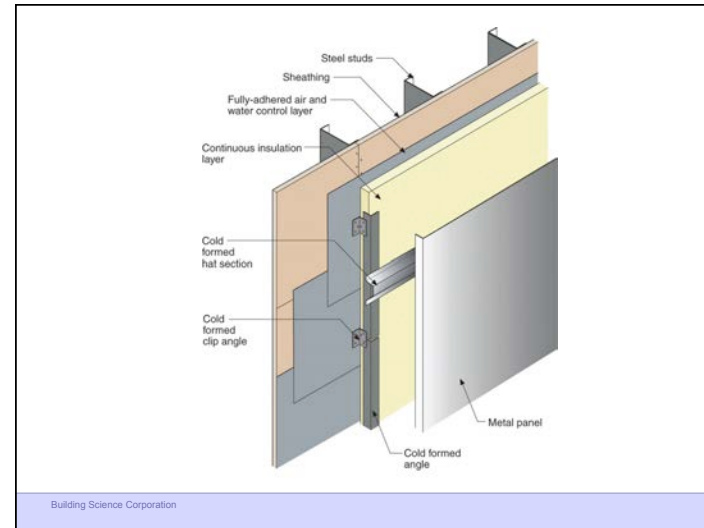
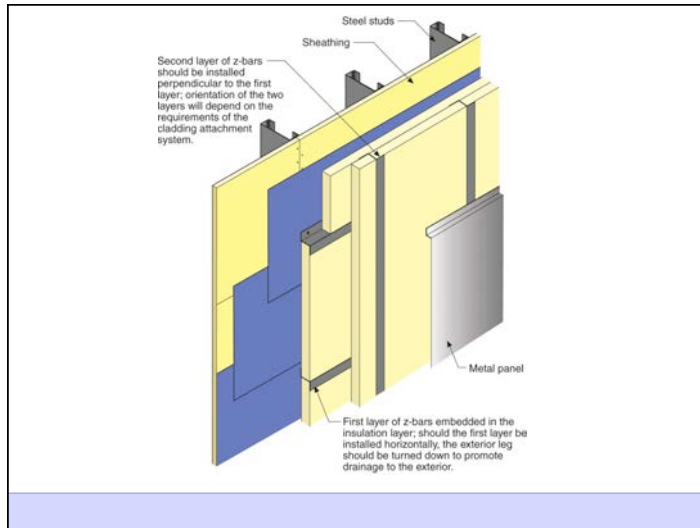


Beer Screen?

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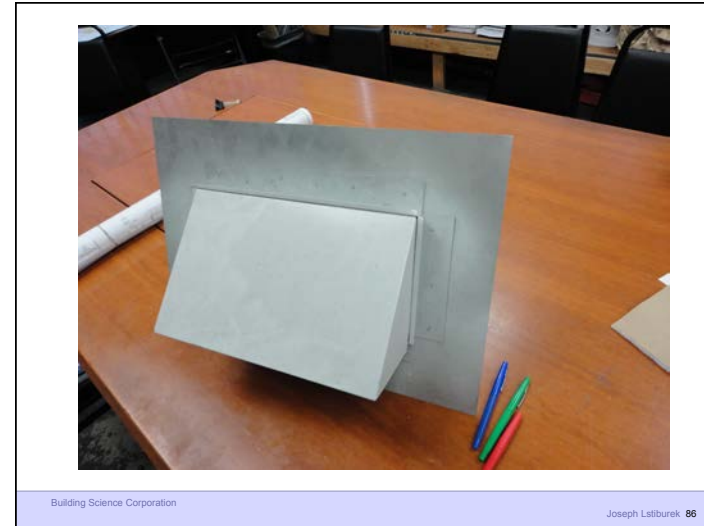














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