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Building Science

Enclosure Fundamentals

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What is a Building?

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A Building is an Environmental Separator

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2nd Law of Thermodynamics

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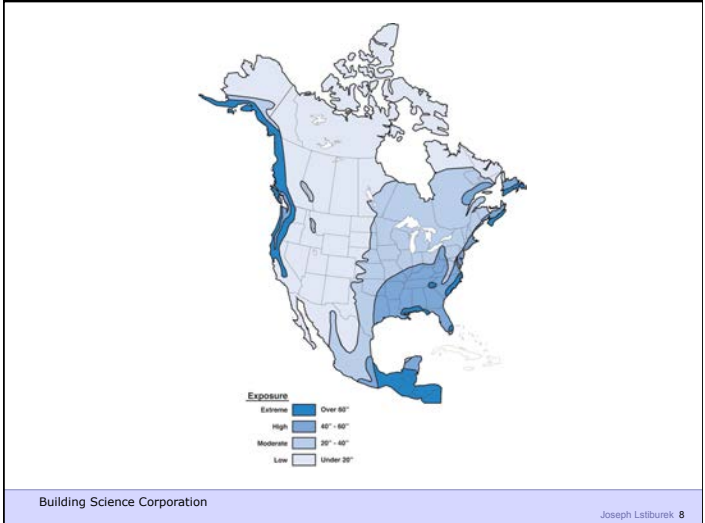
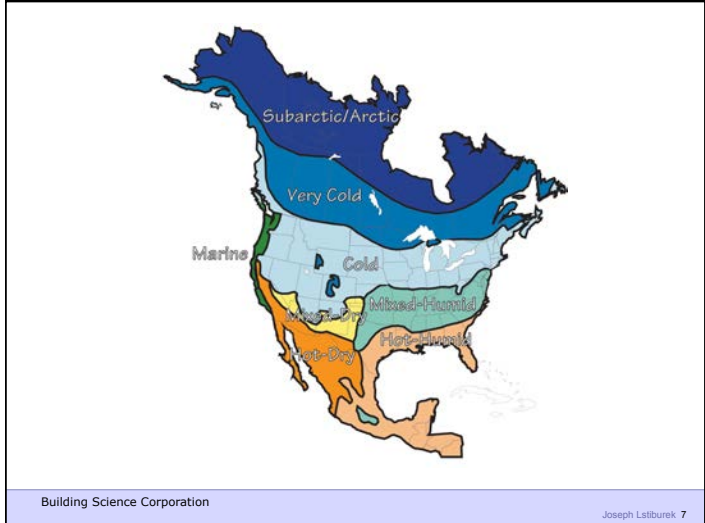
In an isolated system, a process can occur only if it increases the total entropy of the system

Rudolf Clausius

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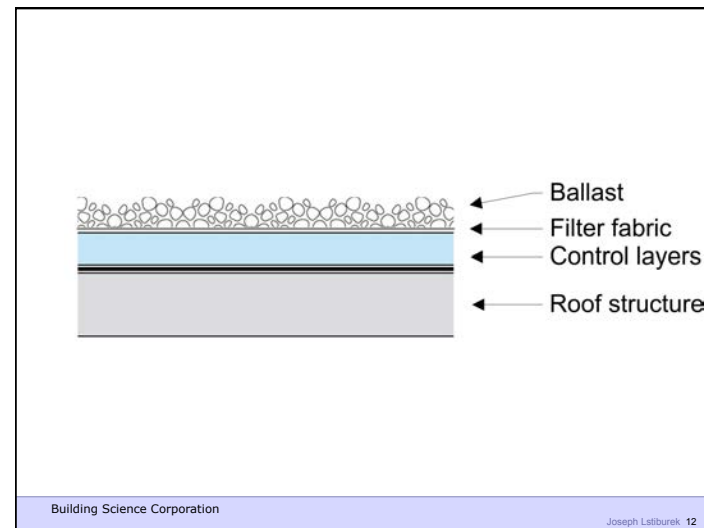
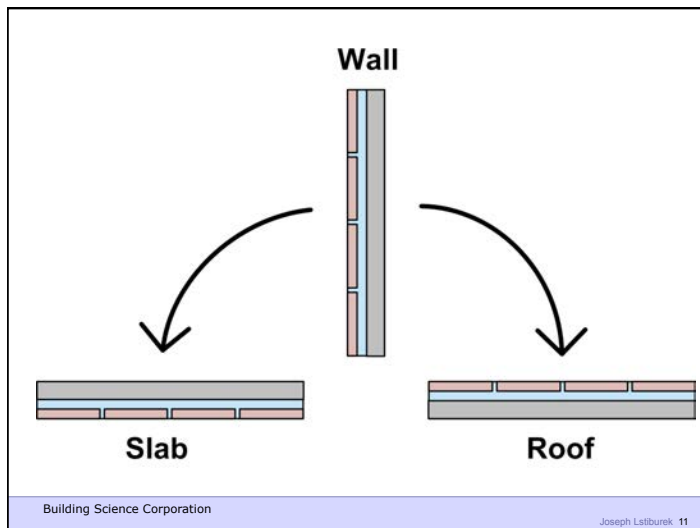
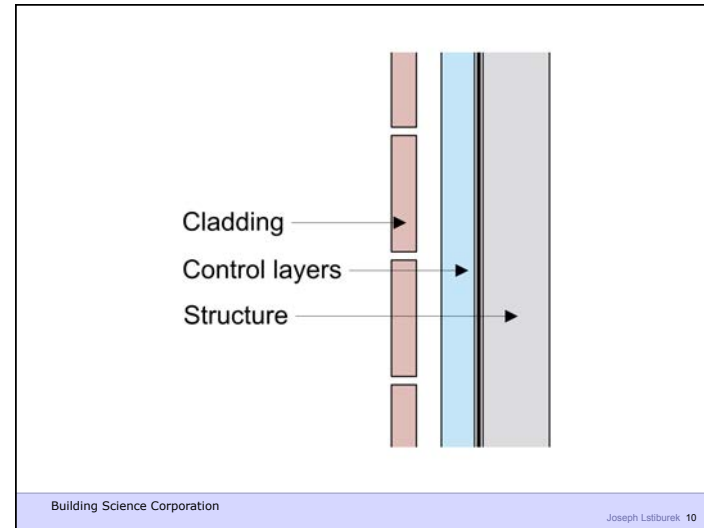
Heat Flow Is From Warm To Cold
 Moisture Flow Is From Warm To Cold
 Moisture Flow Is From More To Less
 Air Flow Is From A Higher Pressure to a Lower Pressure
 Gravity Acts Down

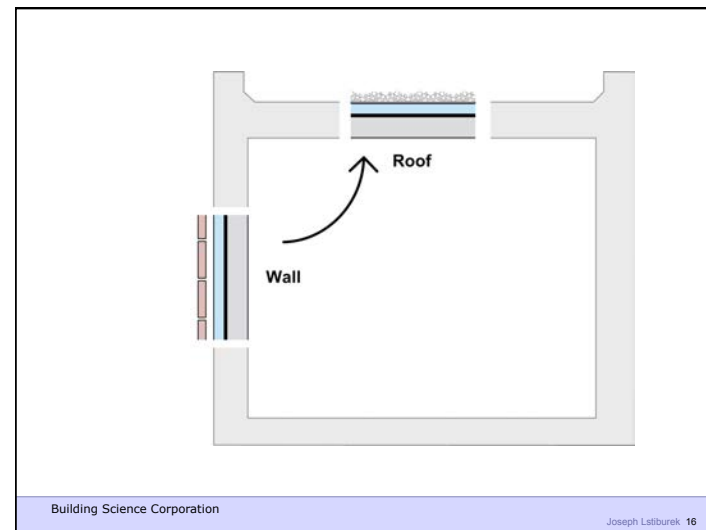
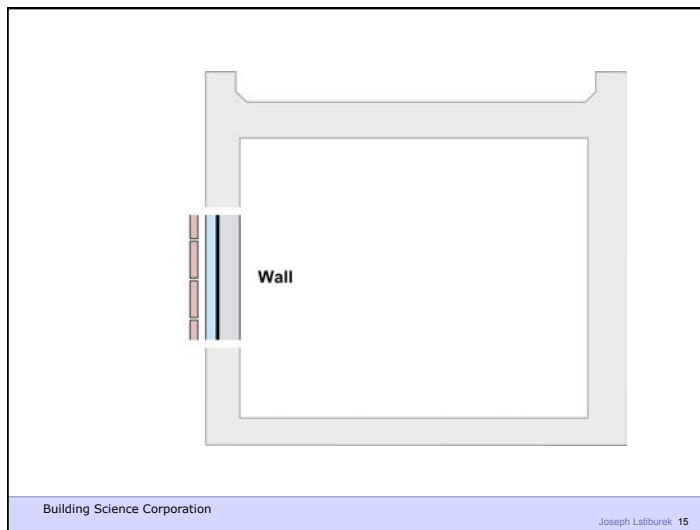
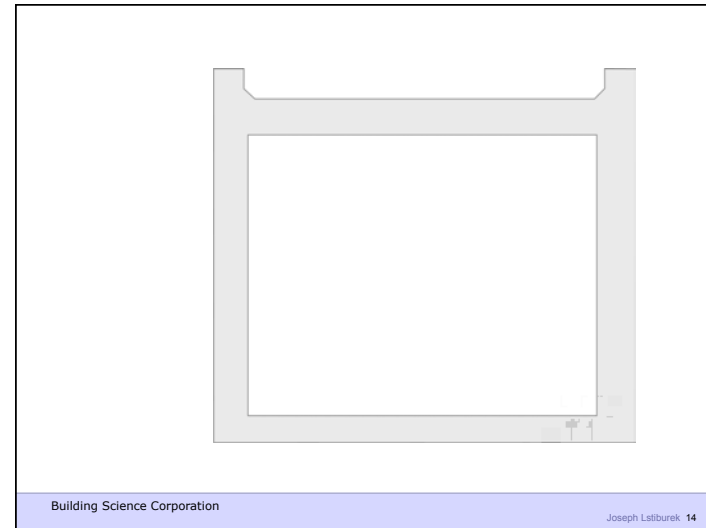
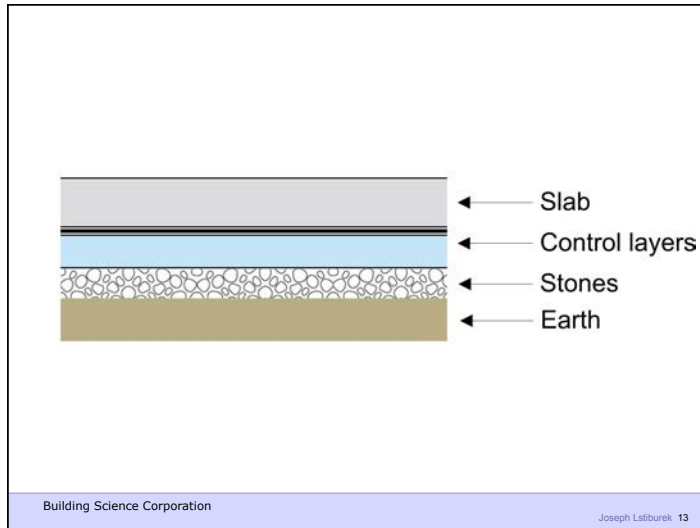
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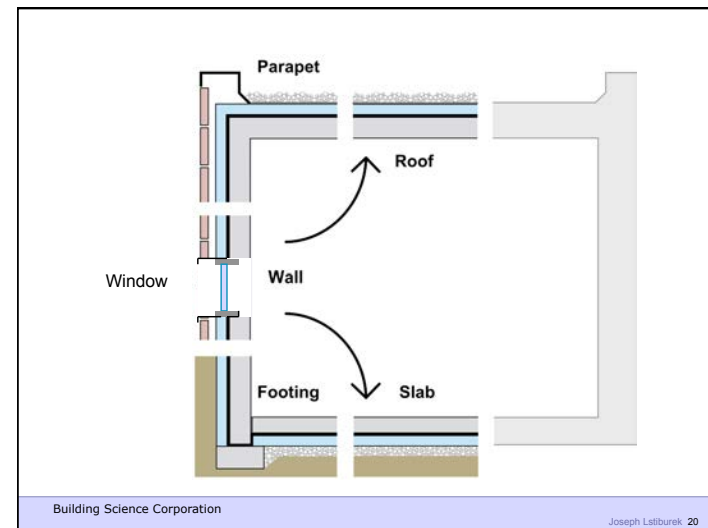
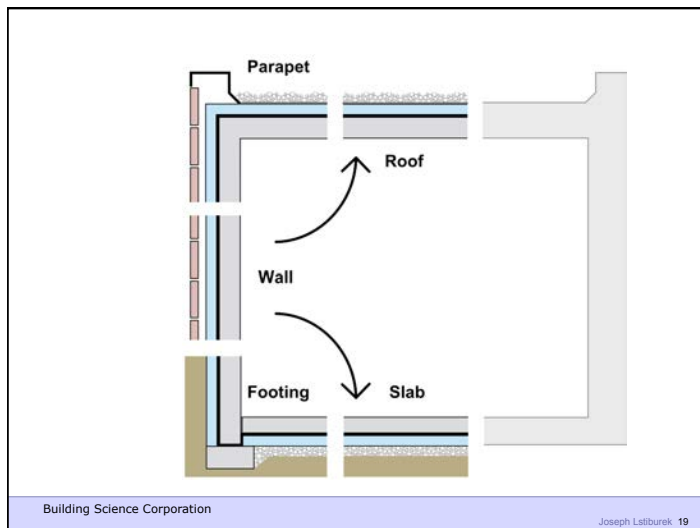
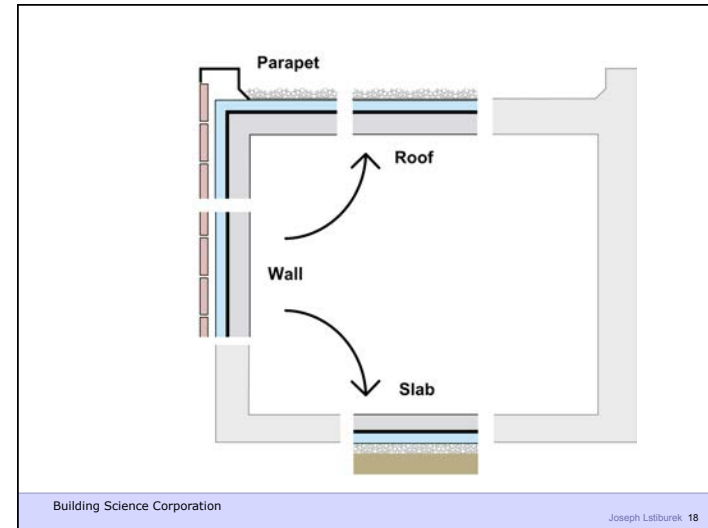
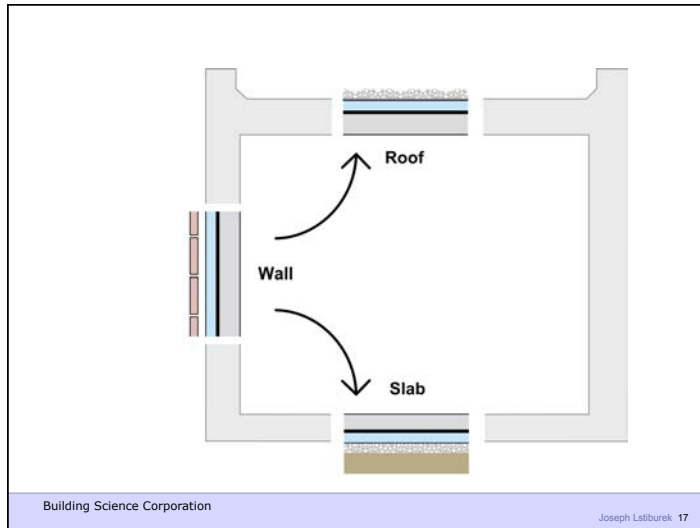


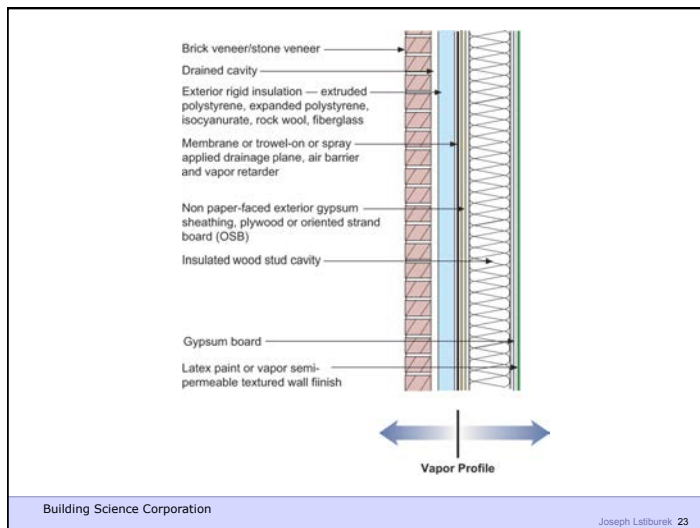
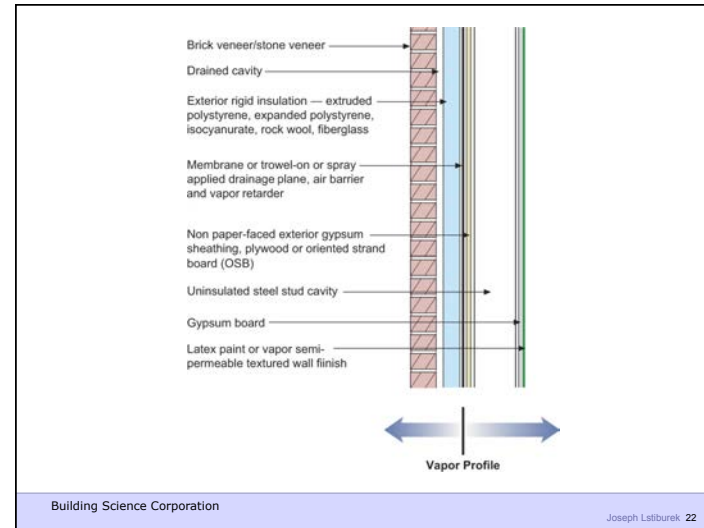
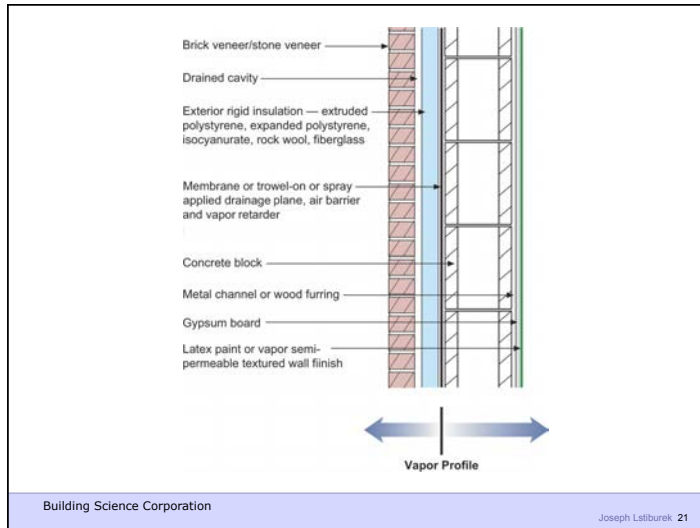
Water Control Layer
Air Control Layer
Vapor Control Layer
Thermal Control Layer

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South Florida

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