



Learning Objectives Apply concepts of separating interior and exterior environments to increase enclosure functionality · Choose from various design approaches to create a high performance · Identify design parameters and situations that have been successfully addressed in examples presented · Recommend to clients the advantages and techniques available in designing high-performance enclosures

The Devil is in the Details

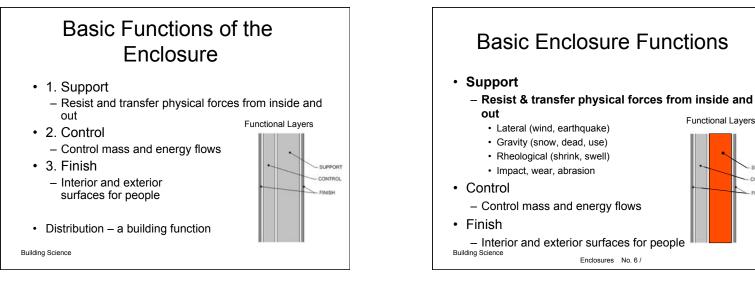
- Targets and codes have raised awareness
- · People "know" you need
 - Lots of insulation value
 - No thermal bridges
 - No air leaks
 - A drainage plane leading to flashing
- But, how to this?

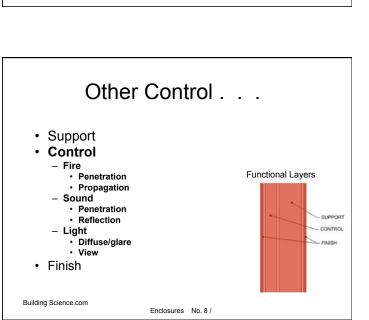
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Functional Layers

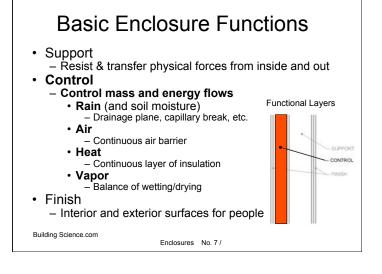
- CONTROL

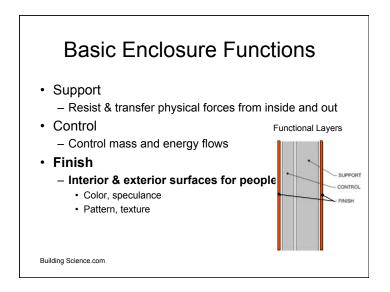
FINISH





Enclosures No. 6 /





History of Control Functions

 Older Buildings

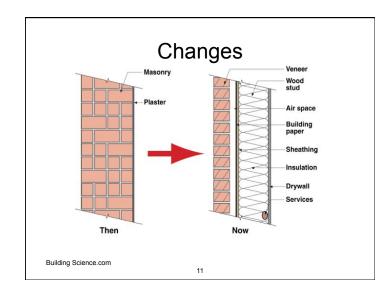
 One layer does everything

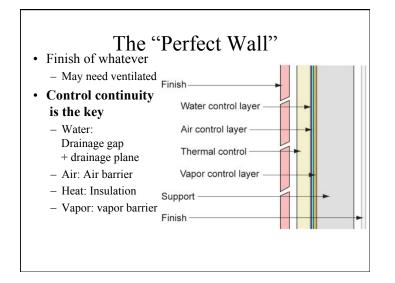
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- Newer Building

 Separate layers,
 - . . . separate functions

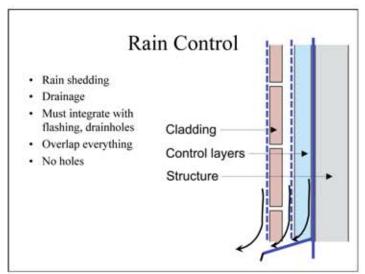


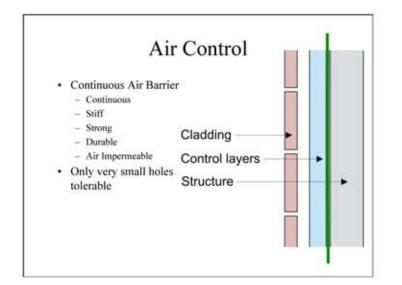


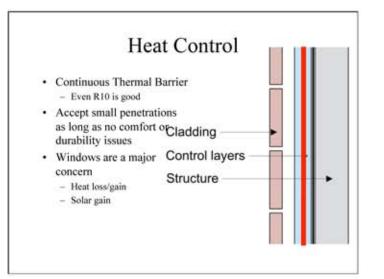


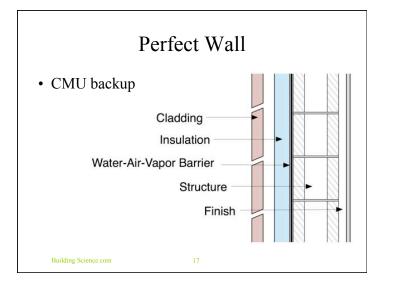
No. 10

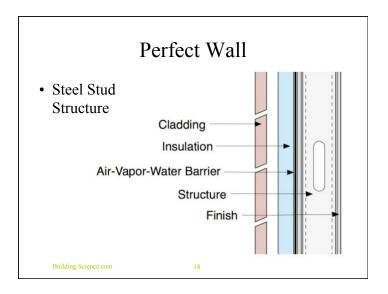


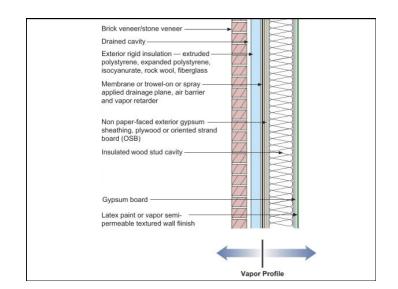


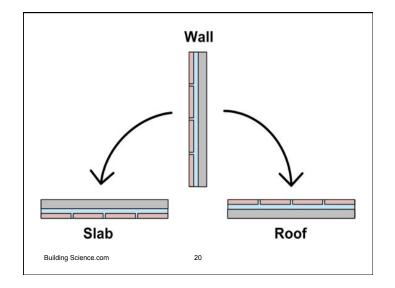


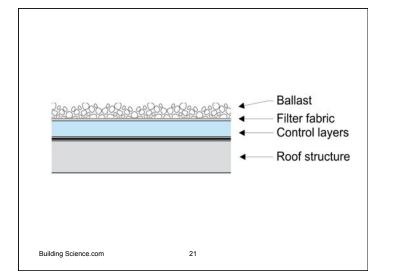


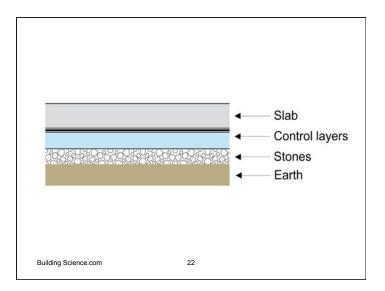


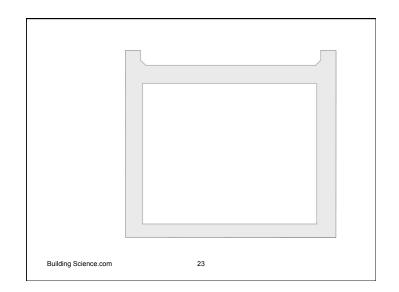


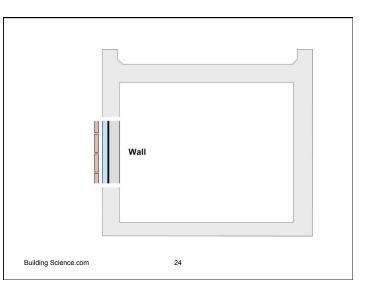


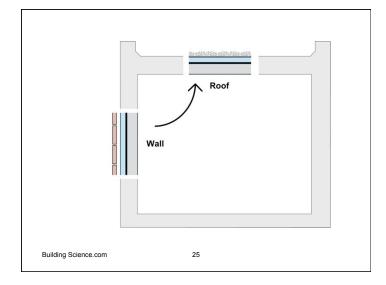


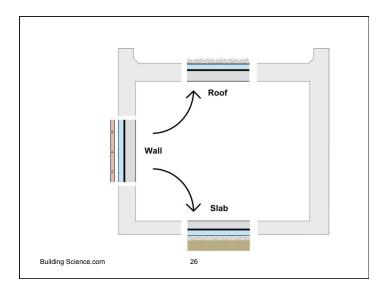


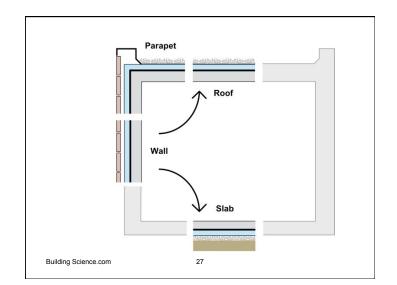


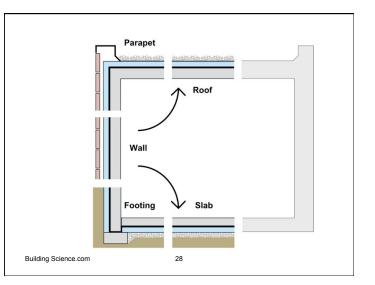


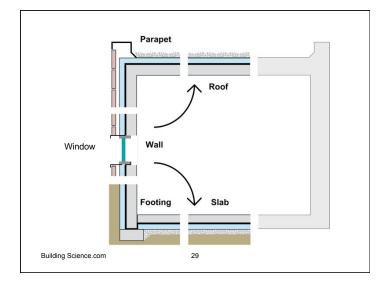


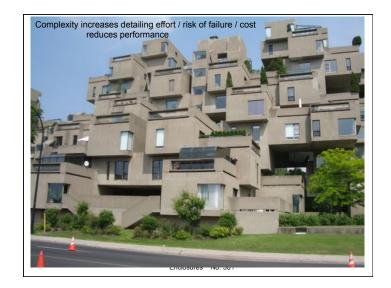


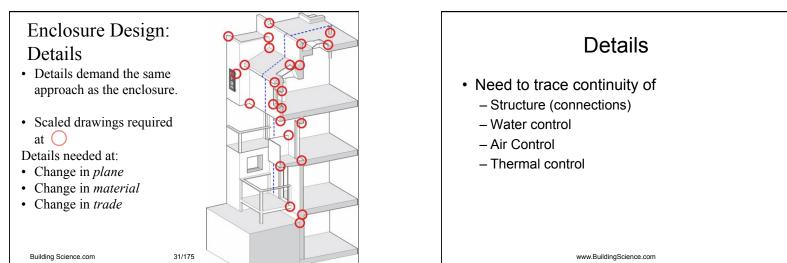




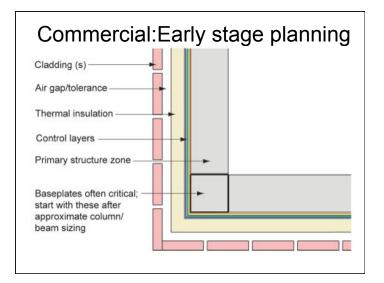


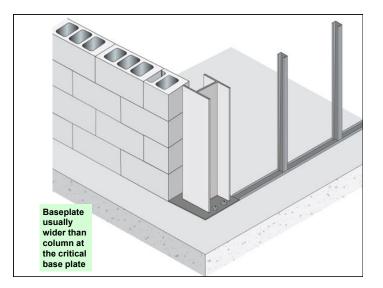


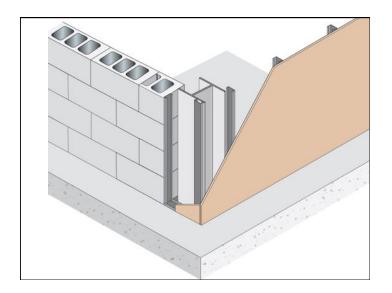


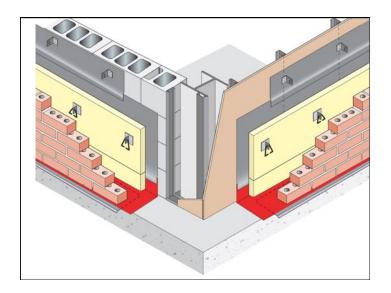


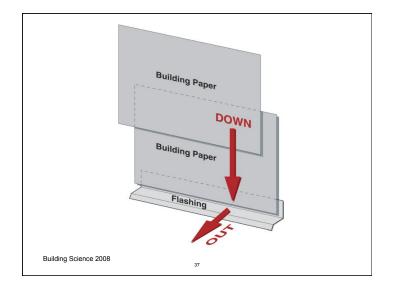
Better Buildings by Design

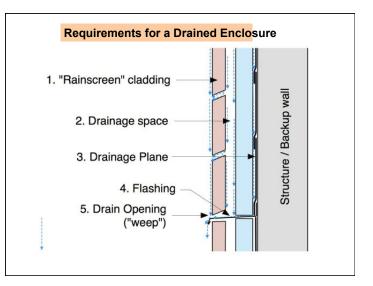


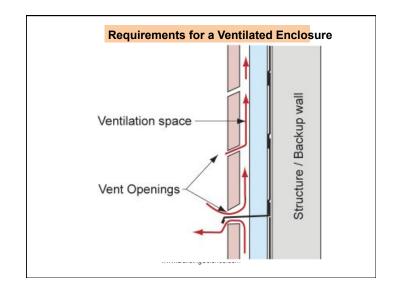




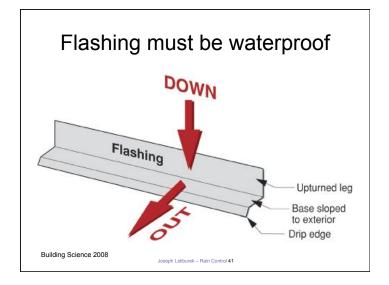


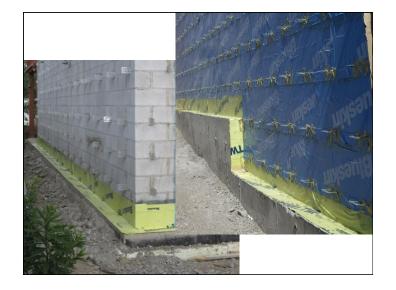


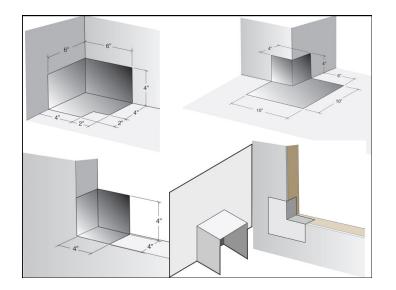


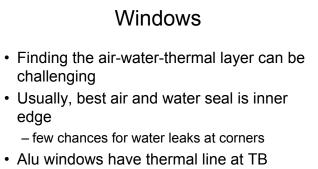












- Line up with thermal control in wall

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