


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

Building Science

Colorado ICC

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R2



A photograph of a traditional stone building with a steep, conical roof, likely a granary or a small house, set in a rural landscape.

R2



R4



A photograph of a stone building with a steep, conical roof, similar to the one in the R2 slide, but with a thatched roof.

R2



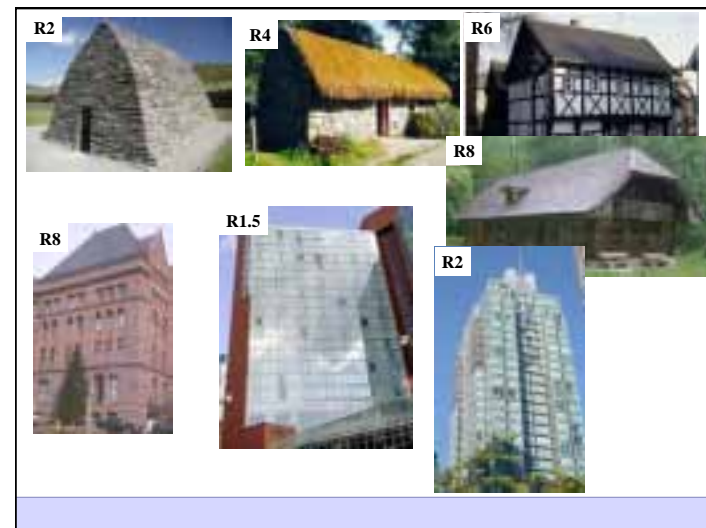
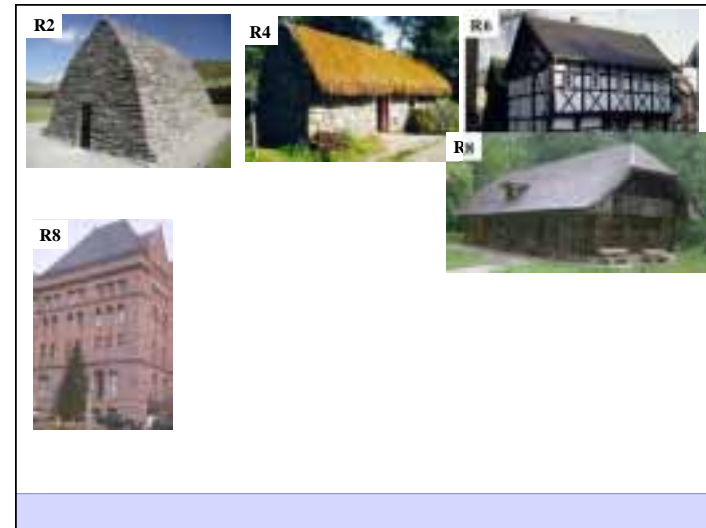
R4

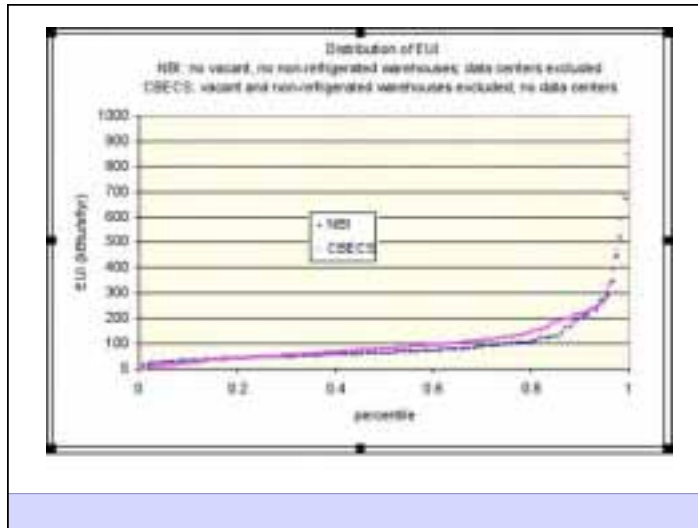


R6



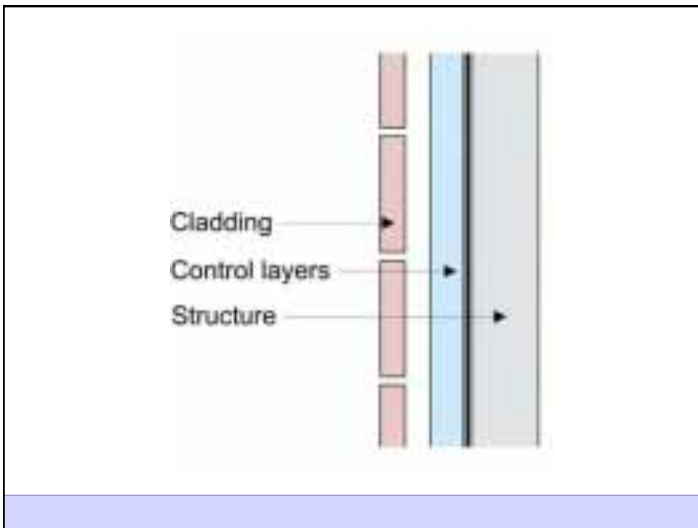
A photograph of a timber-framed building with a steep roof, showing the internal wooden structure.

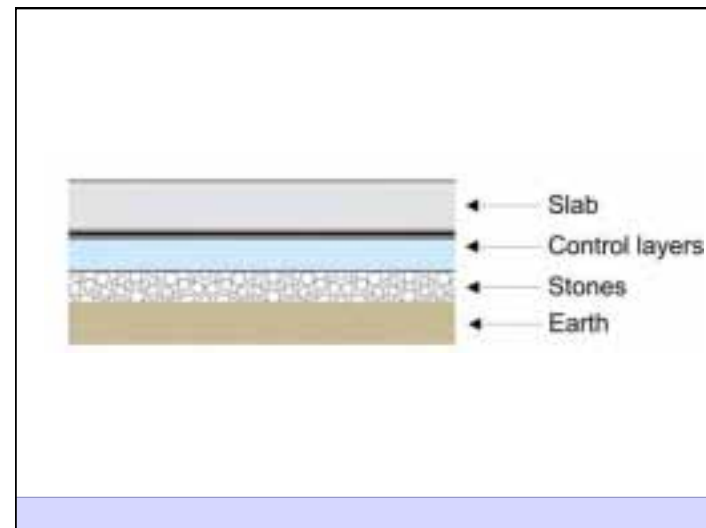
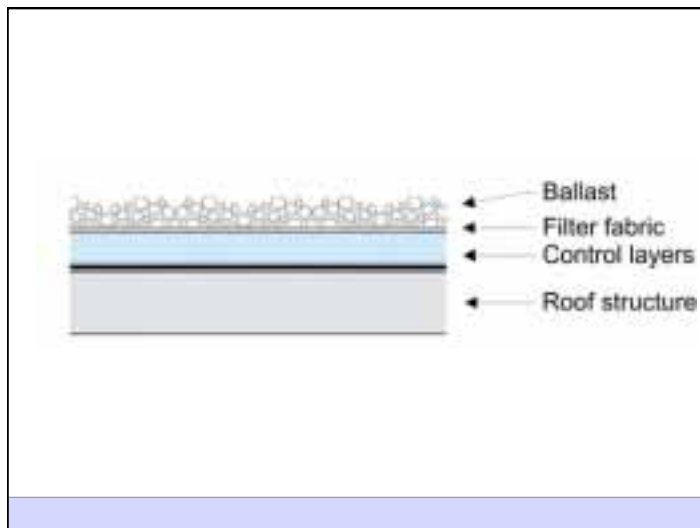
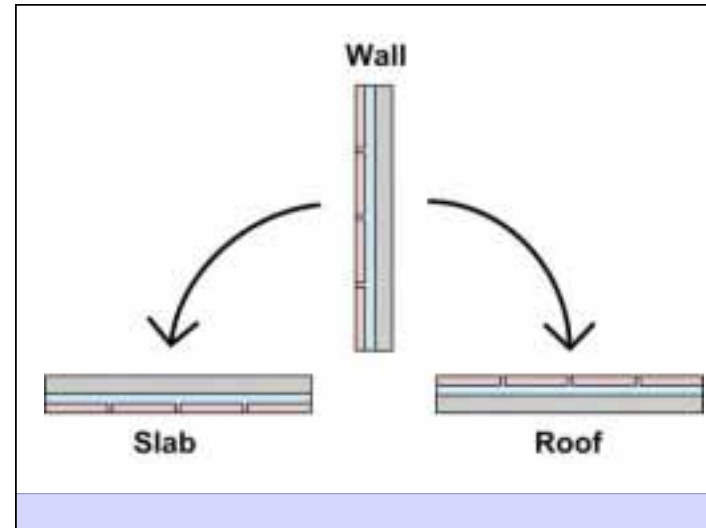
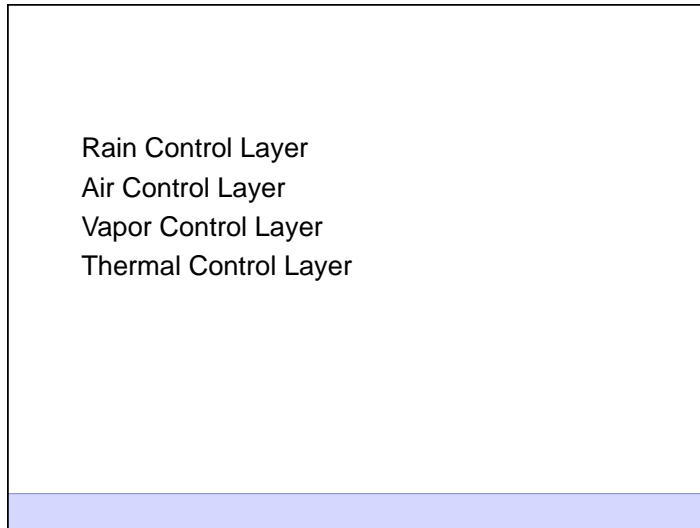


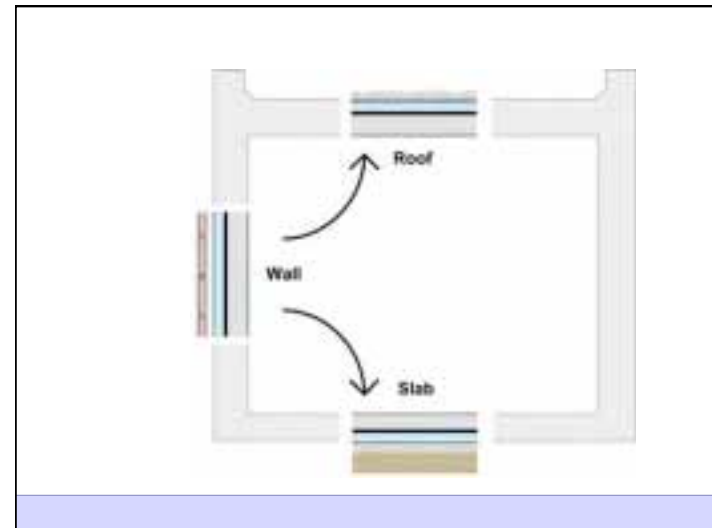
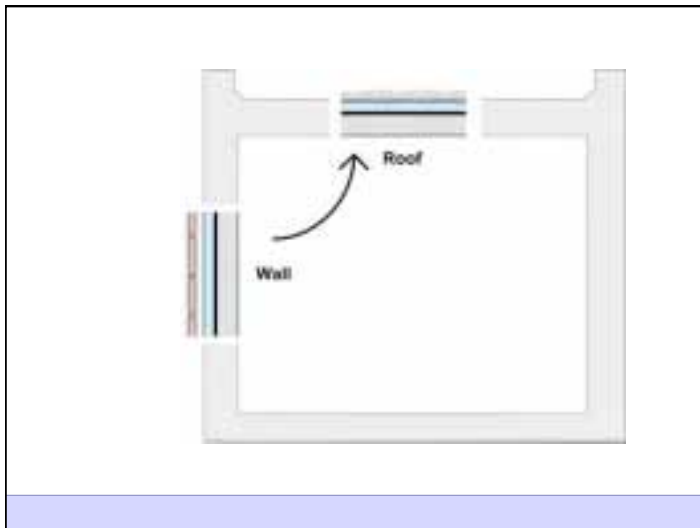
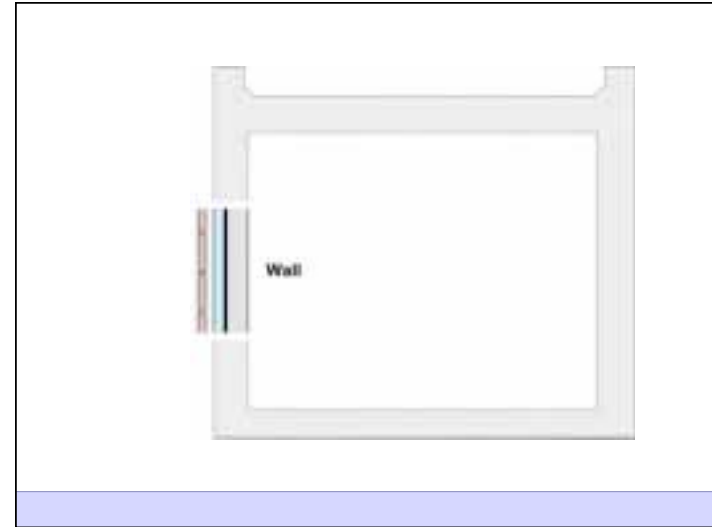
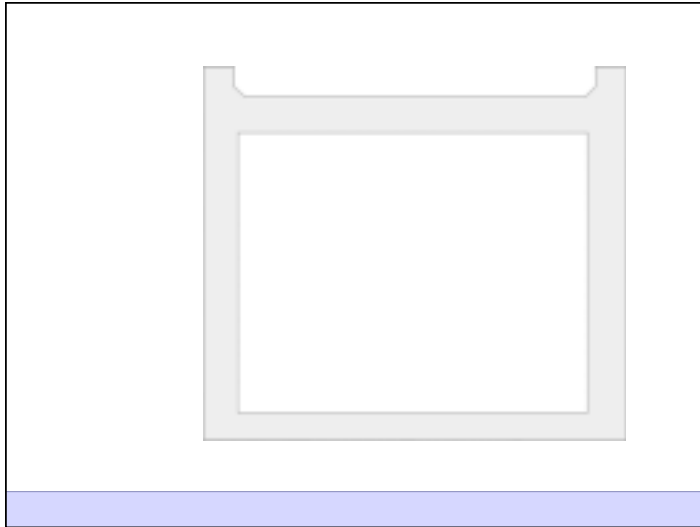


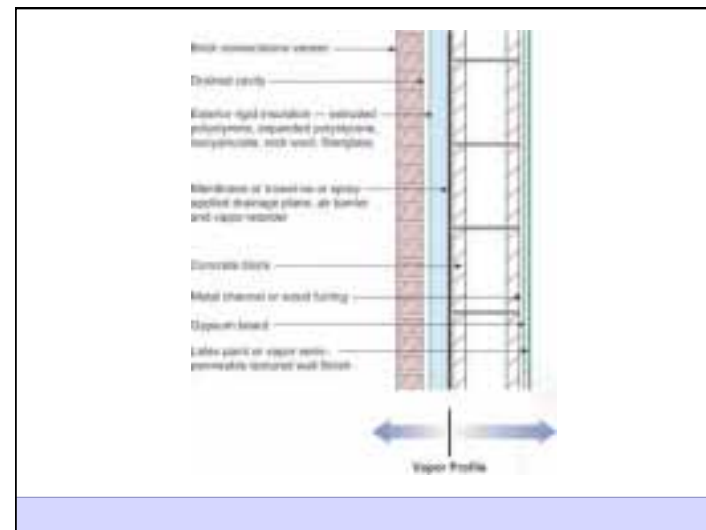
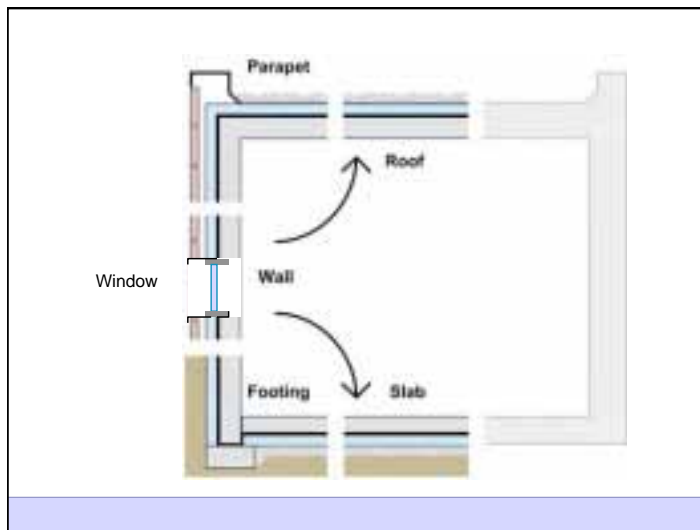
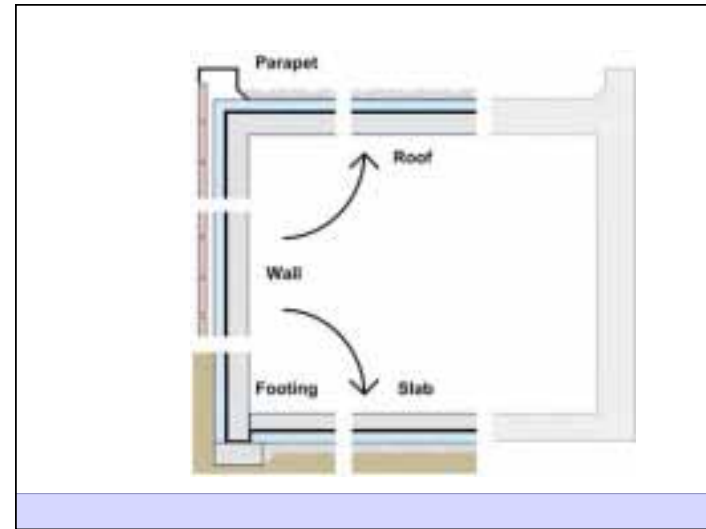
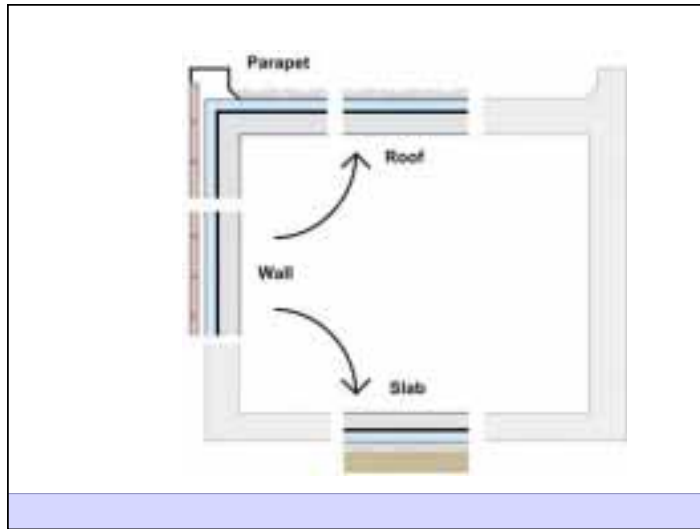
Don't Do Stupid Things

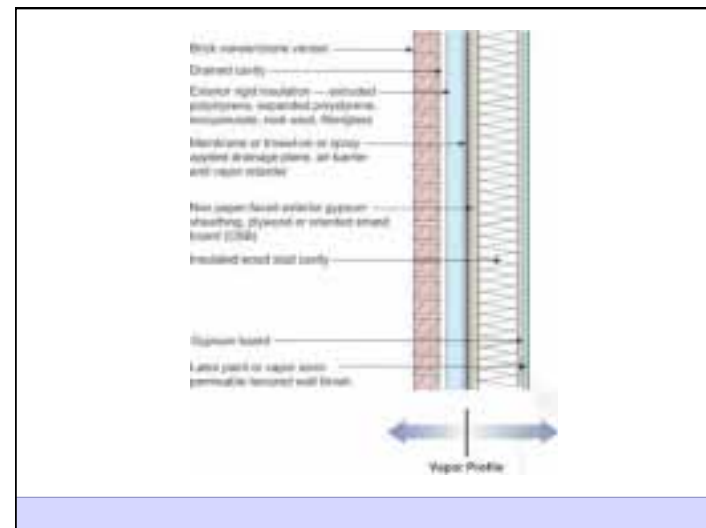
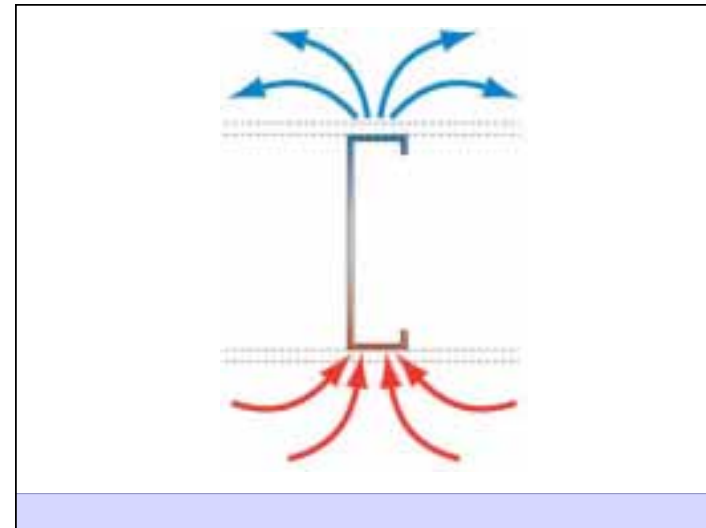
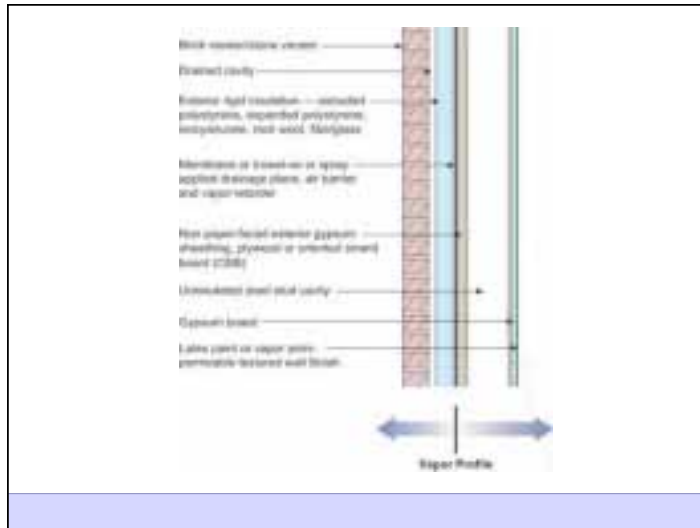
Heat Flow Is From Warm To Cold
Moisture Flow Is From Warm To Cold
Moisture Flow Is From More To Less
Air Flow Is From A Higher Pressure to a Lower Pressure
Gravity Acts Down









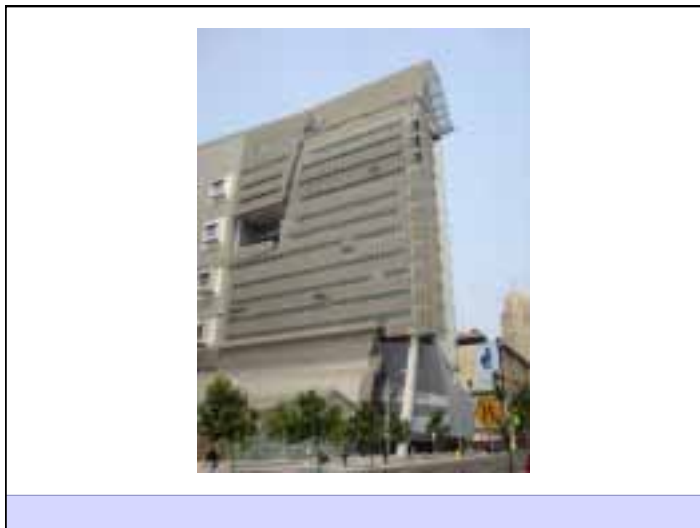


Don't Do Stupid Things

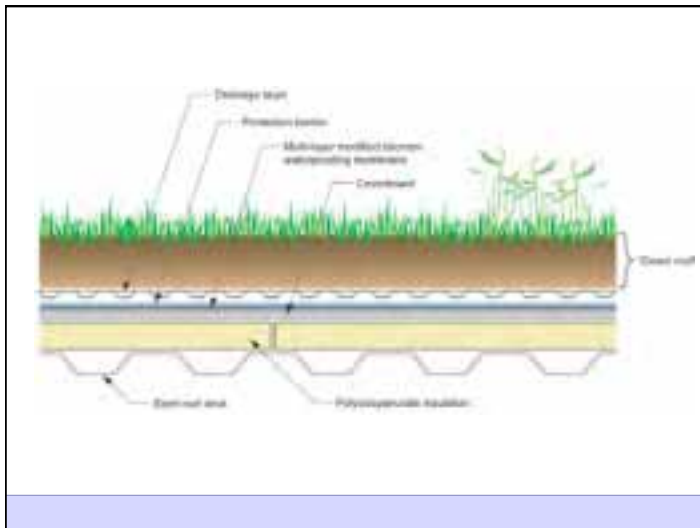
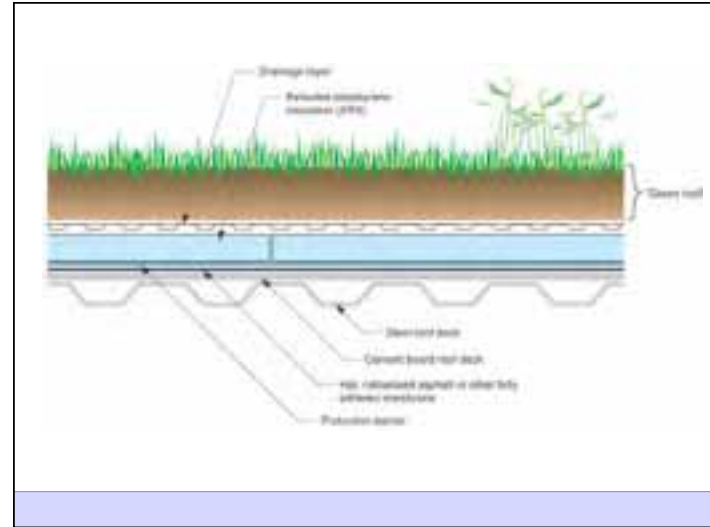


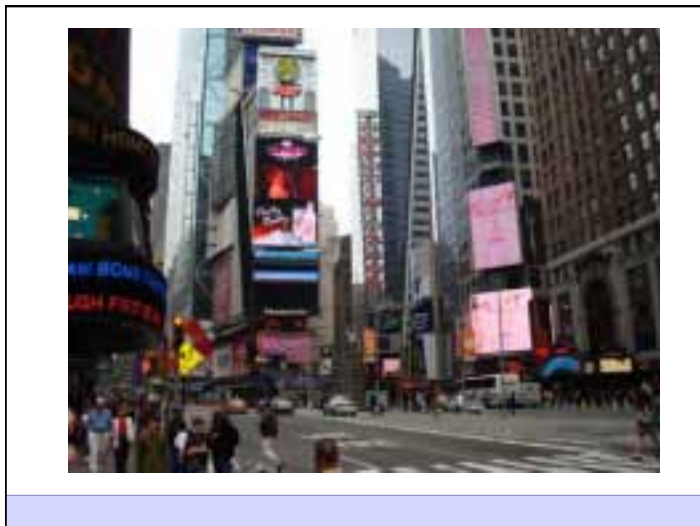


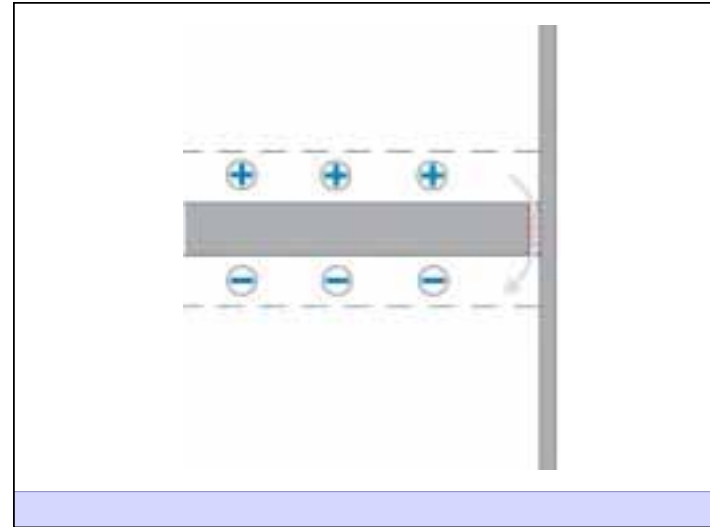
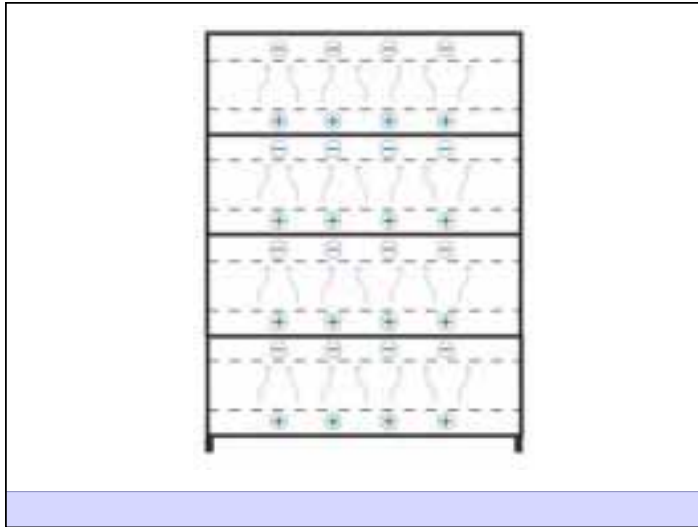
Most Green Is An Embarrassment












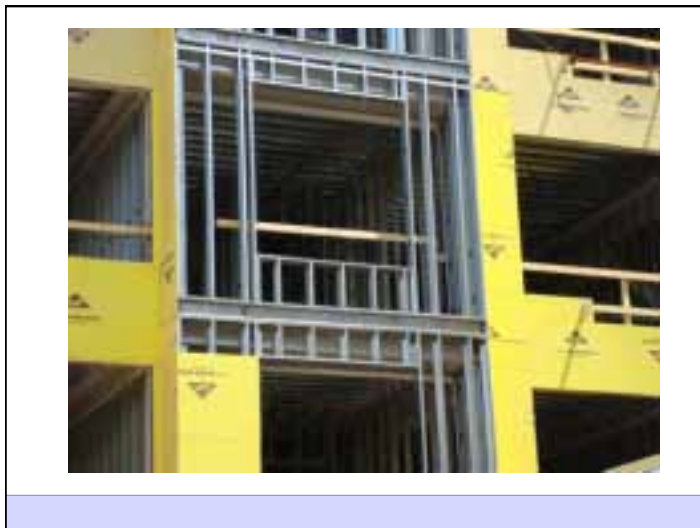
Commercial Enclosure: Simple Layers



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

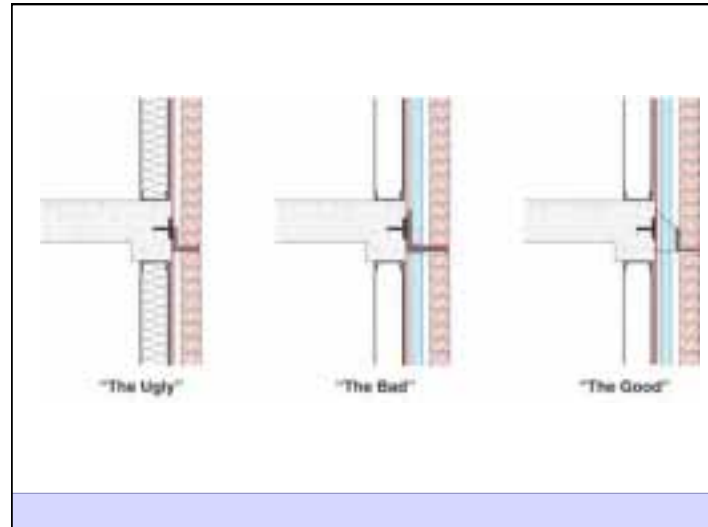


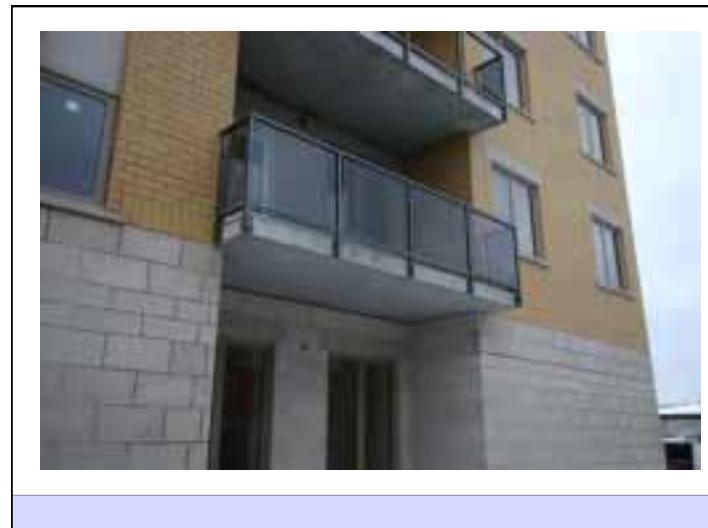
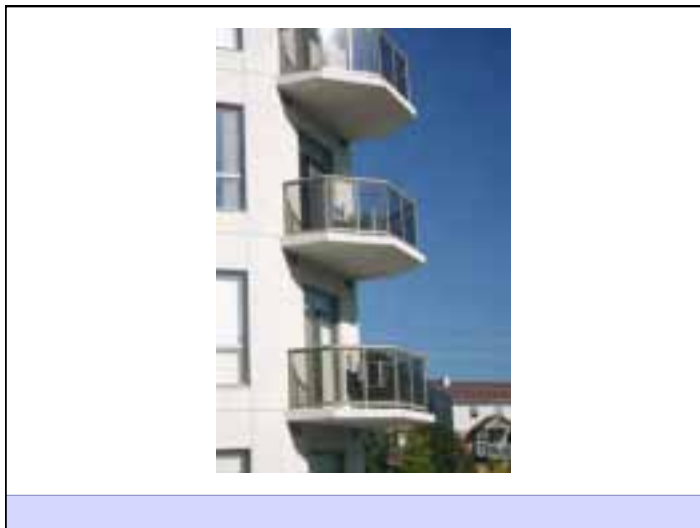
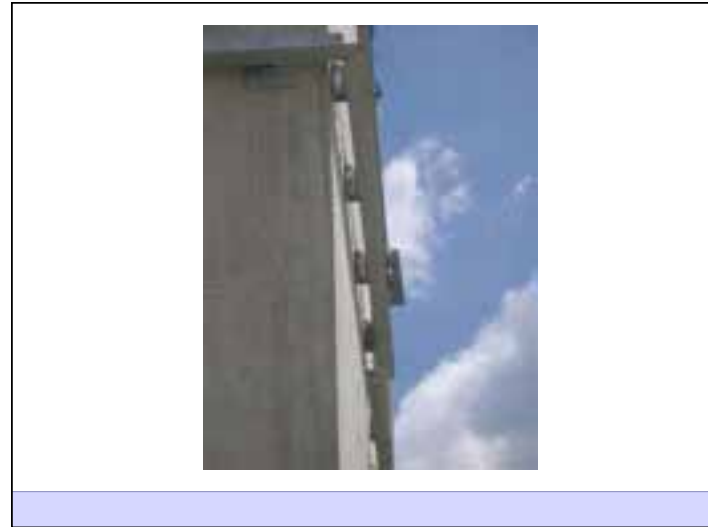


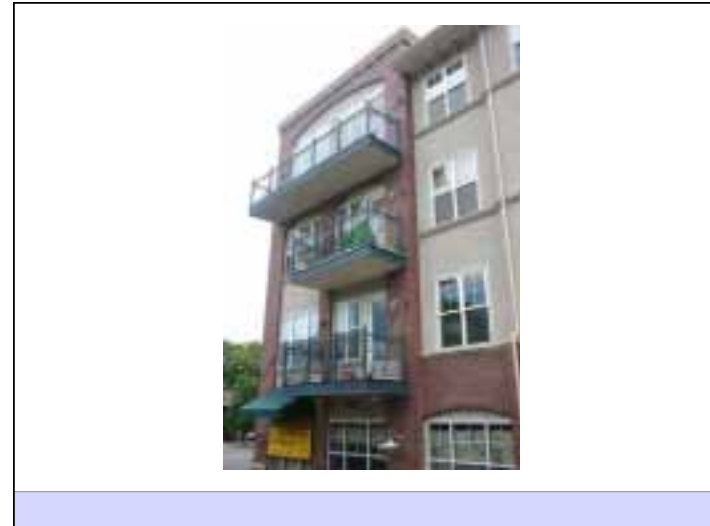




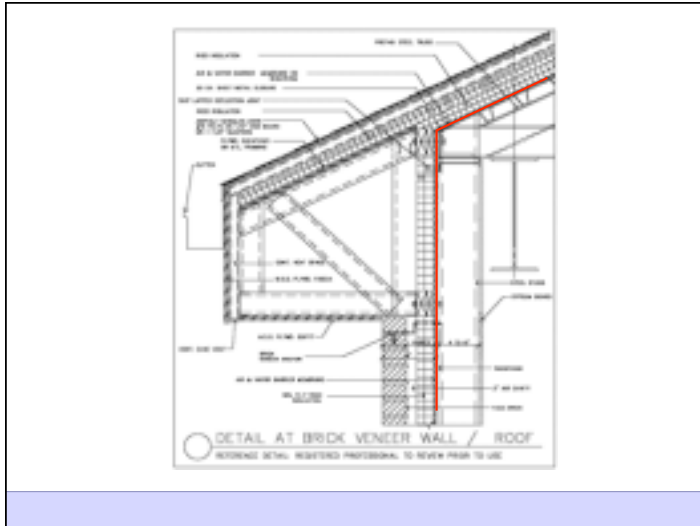
Don't Do Stupid Things.....



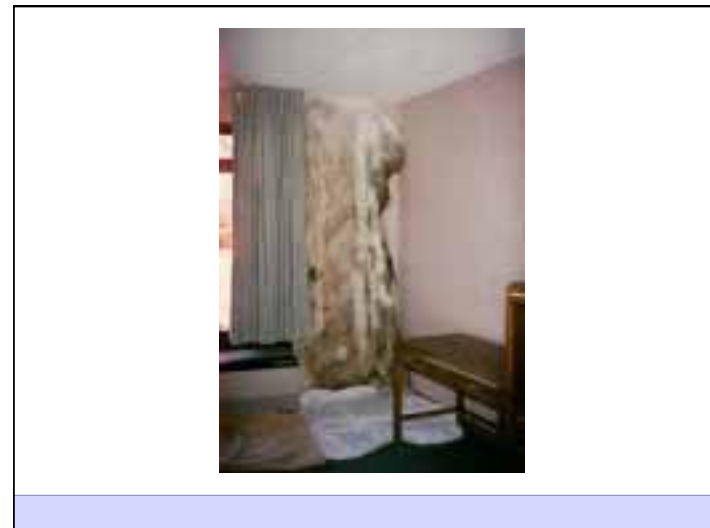
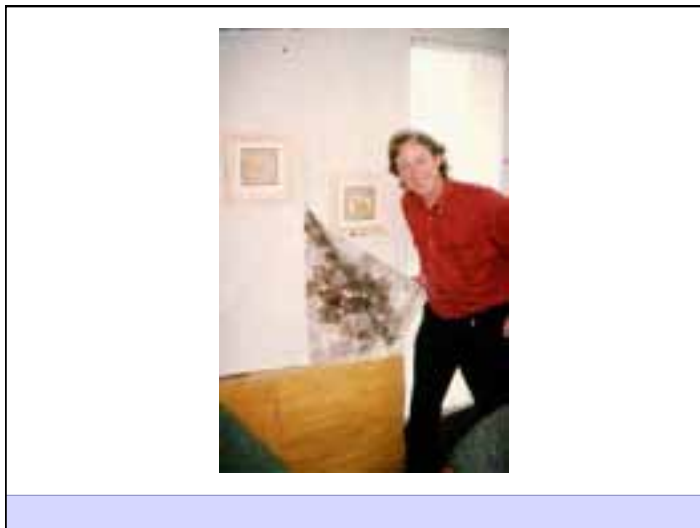


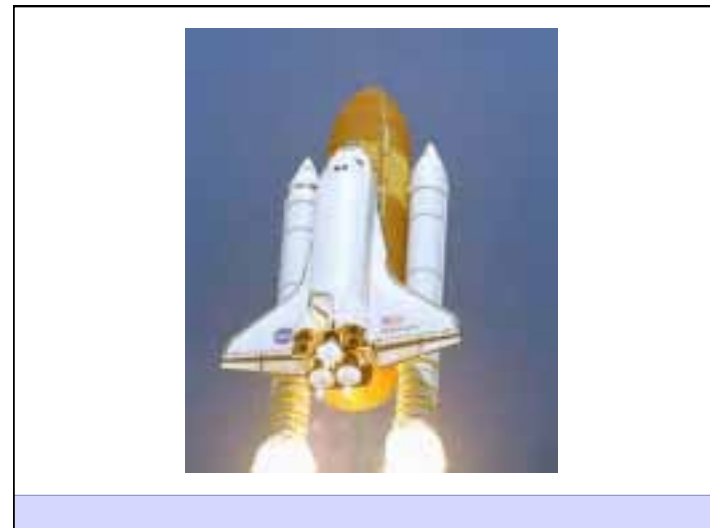
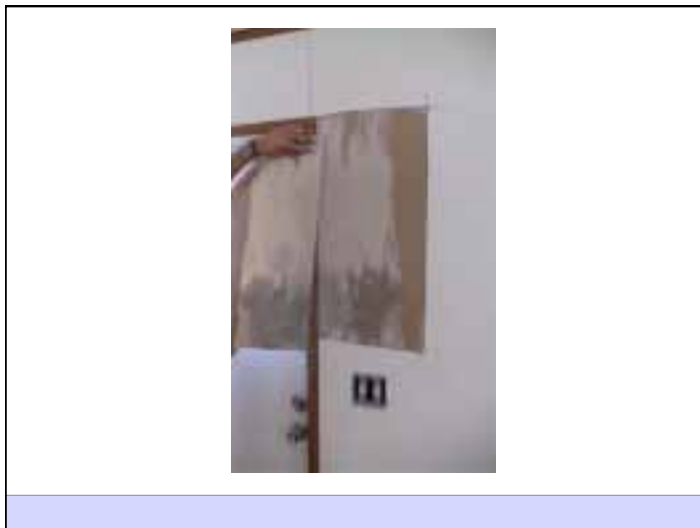
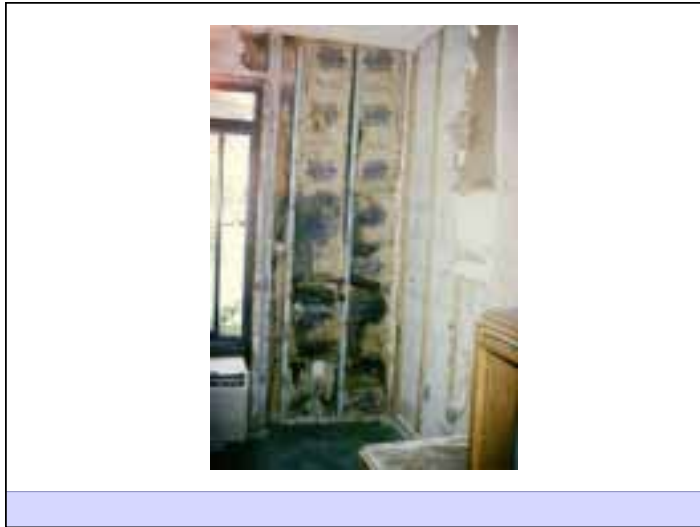






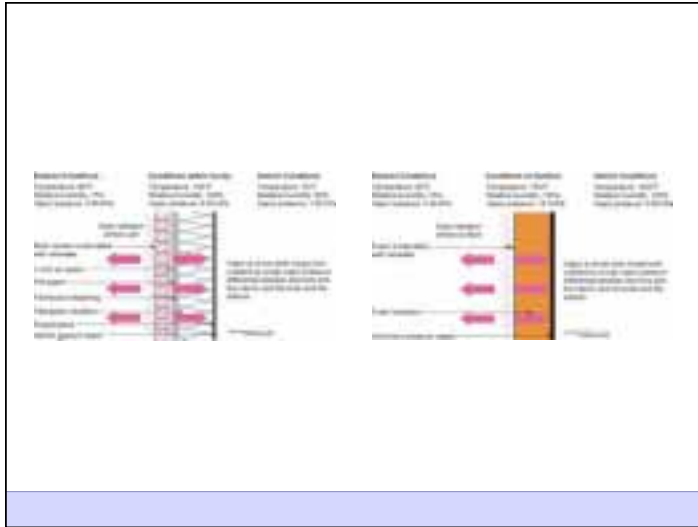






Aluminium Pressure Vessel Filled With A
Cryogenic Liquid On a Beach In Florida In
July





Carbon Fibre Nano Tube Kevlar Tang
Composite and Micro Porous Polymer
Modified Ionised Coating

“the NASA repair”

Chicken Wire and Epoxy Paint

“the Home Depot repair”

Early Shuttle Flights Had Aluminum Paint
Over External Tank Foam - Note White
Color On Tank - Aluminum Paint Removed
To Save Weight

“value engineering”

