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

Building Science

Don't Do Stupid Things

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Life is Tough Enough As it Is...

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Life is Tough Enough As it Is... It's Harder When You Are Stupid

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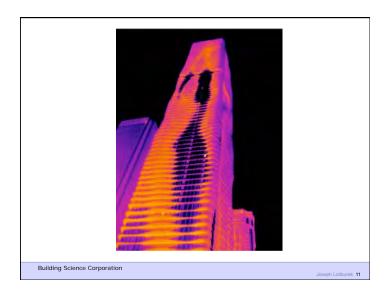


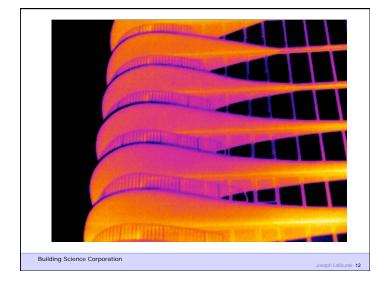






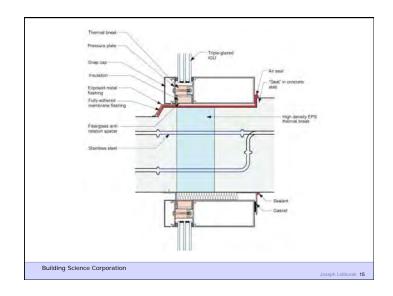




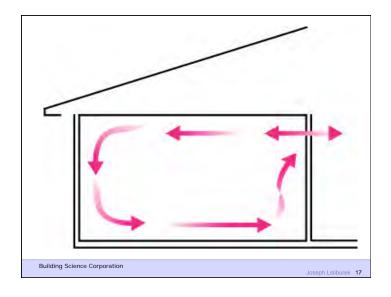






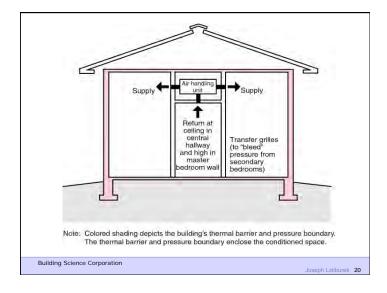


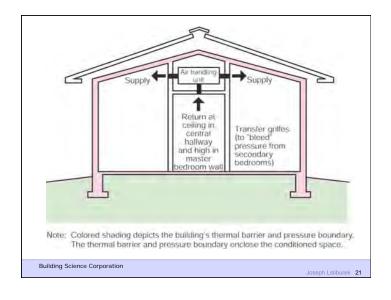
















Environmental Separator

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- · Control heat flow
- Control airflow
- · Control water vapor flow
- · Control rain
- · Control ground water
- · Control light and solar radiation
- · Control noise and vibrations
- · Control contaminants, environmental hazards and odors
- · Control insects, rodents and vermin
- · Control fire
- · Provide strength and rigidity
- Be durable
- · Be aesthetically pleasing
- · Be economical

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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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