

What Is A Building?

Building Science Corporation

Joseph Lstiburek 2

Environmental Separator

Building Science Corporation

Joseph Lstiburek 3

- 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

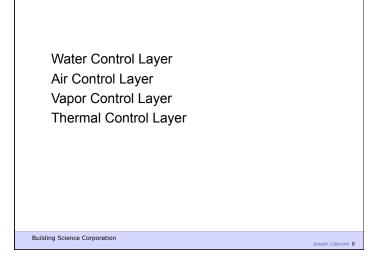
Building Science Corporation

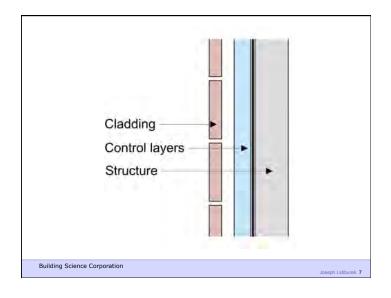
Joseph Lstiburek 4

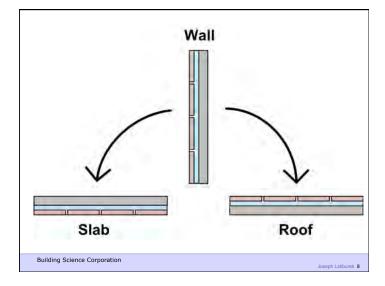
Heat Flow Is From Warm To Cold
Moisture Flow Is From Warm To Cold
Moisture Flow Is From More To Less
Air Flow Is From A Higher Pressure to a
Lower Pressure
Gravity Acts Down

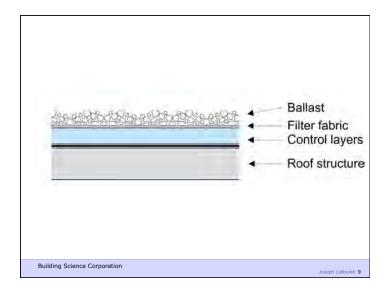
Building Science Corporation

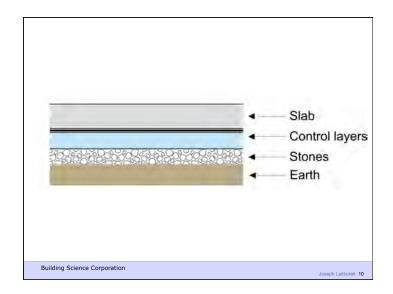
Joseph Lstiburek 5

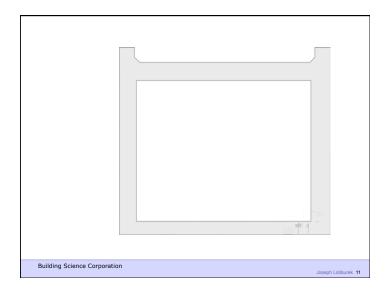


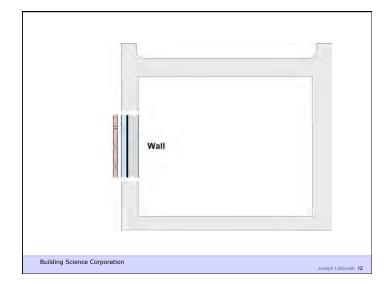


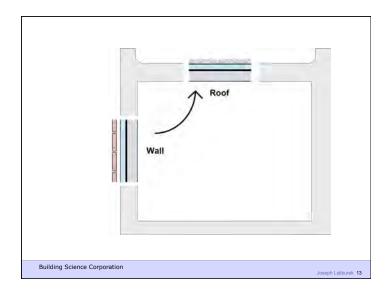


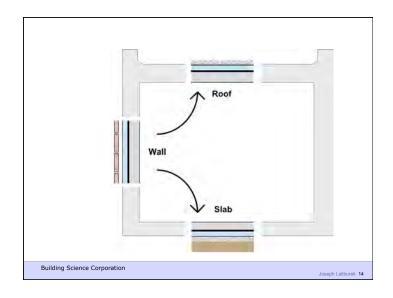


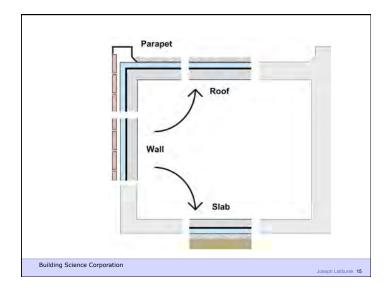


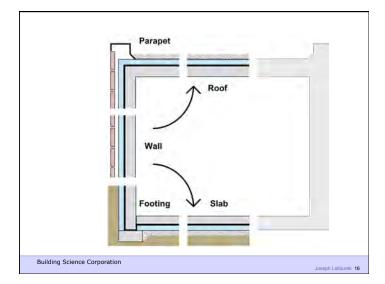


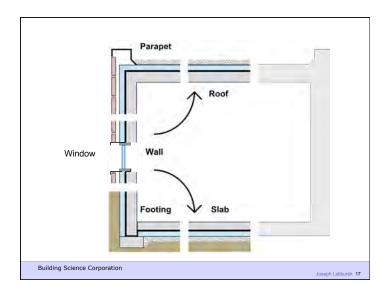


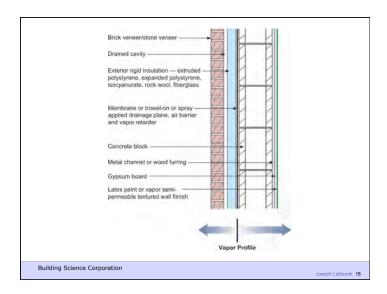


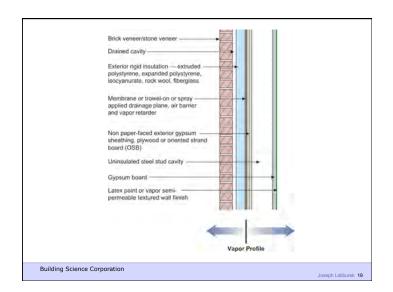


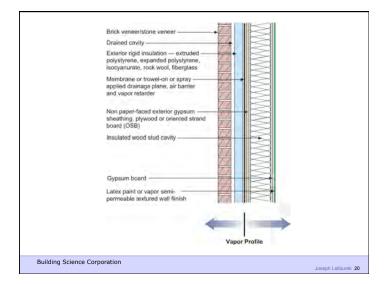


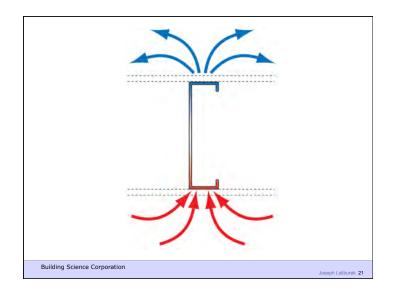


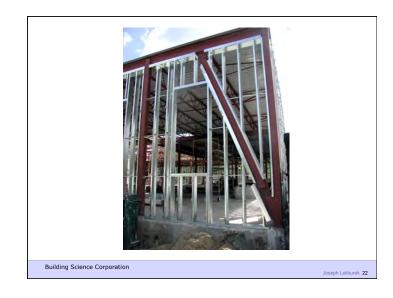


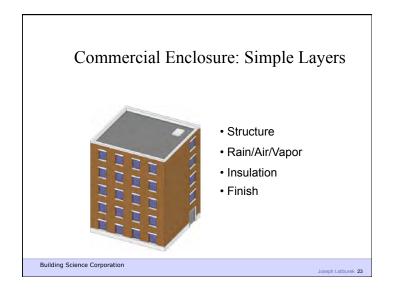


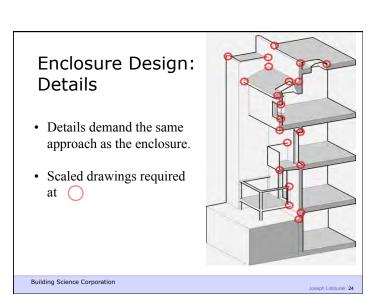




























8 of 51













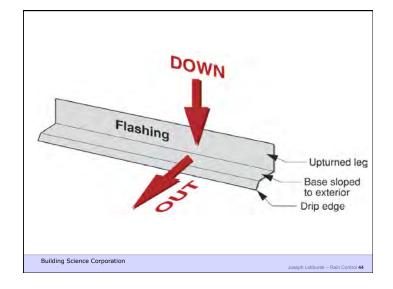


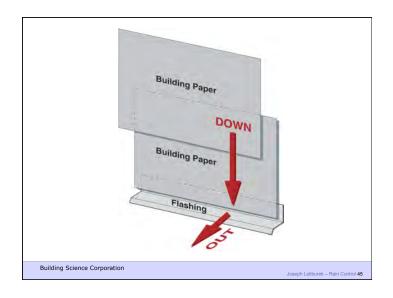


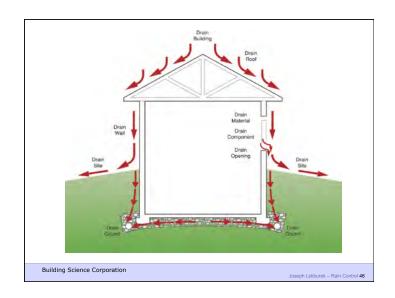


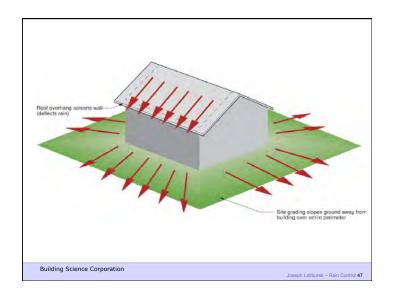


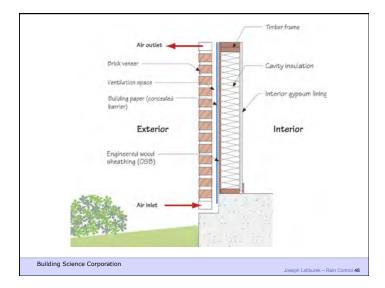


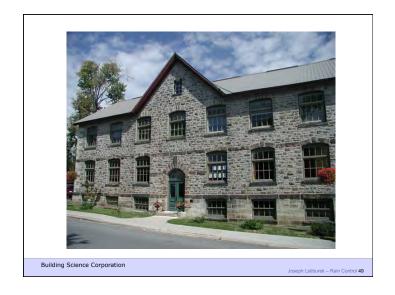


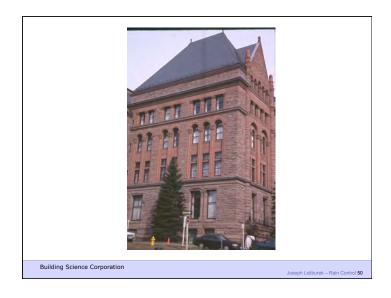


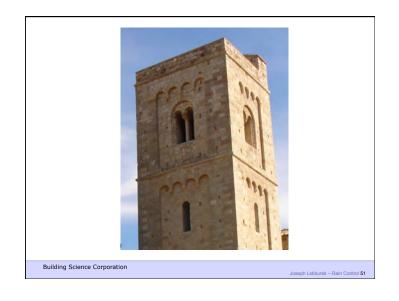


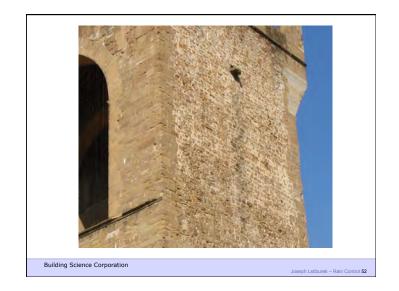






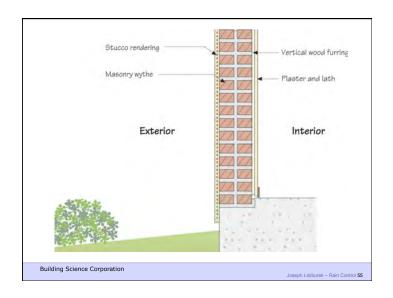












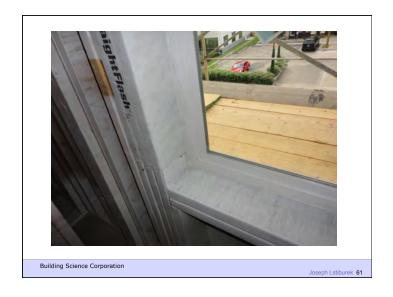






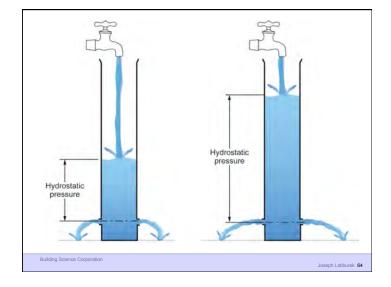




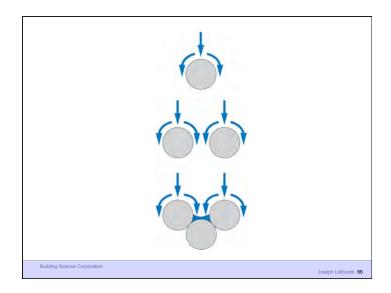


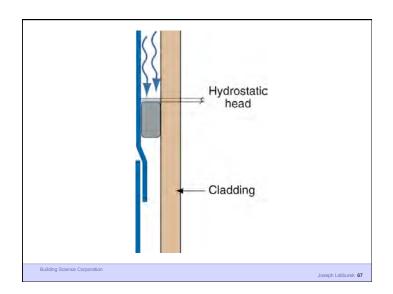


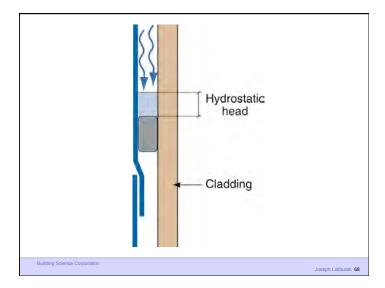


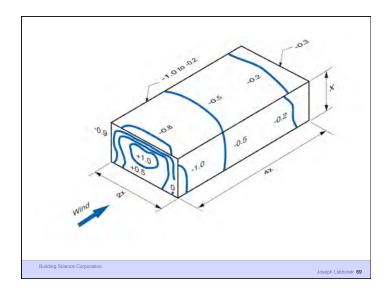


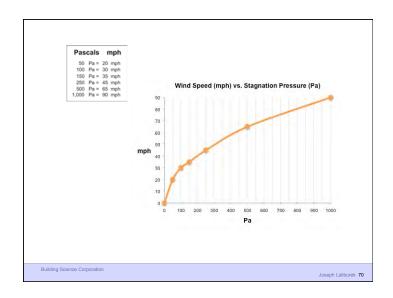
















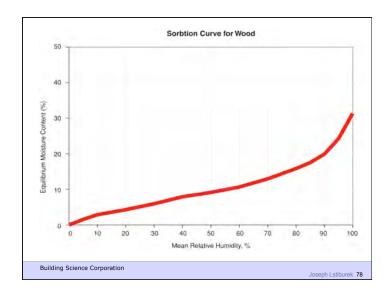


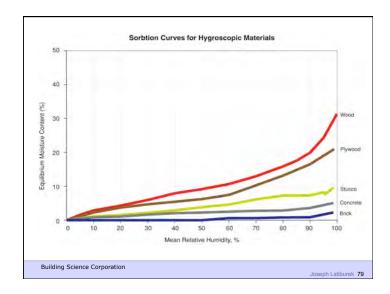




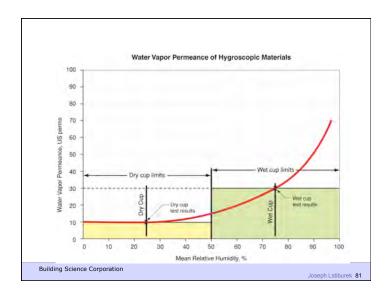


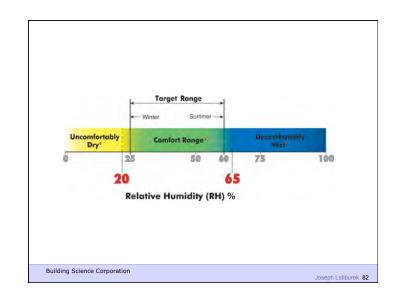


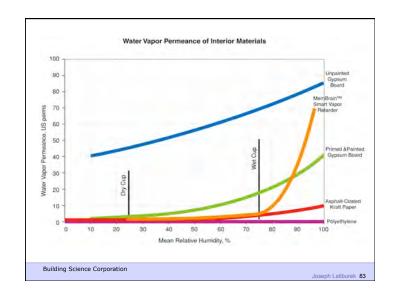


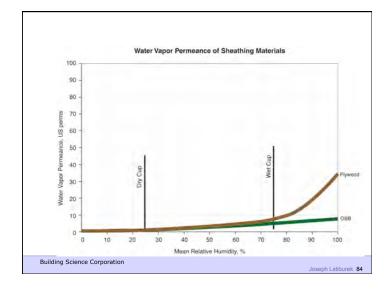


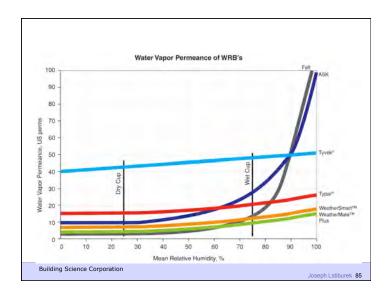


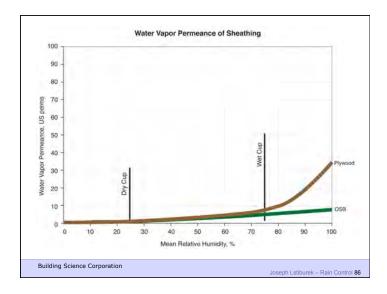


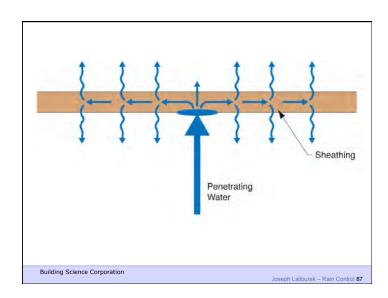


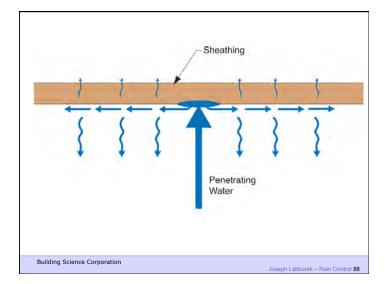












22 of 51





