





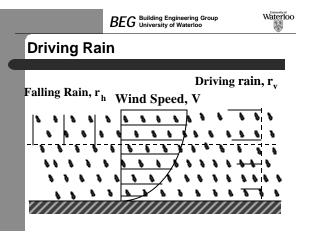
BEG Building Engineering Group University of Waterloo

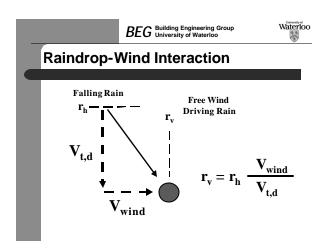
Waterloo

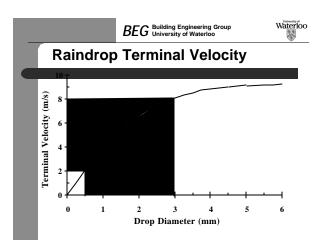
Controlling Driving Rain Penetration

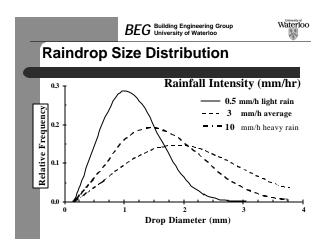
Subset of the second driving rain to control it

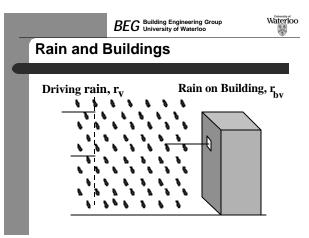
- Result of wind and rain
- Building shape and height affects it
- Enclosure design choices

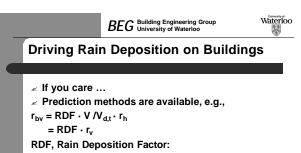


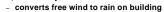




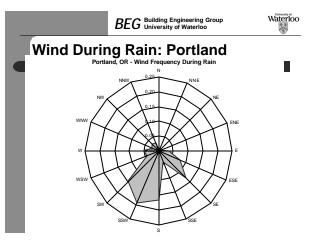


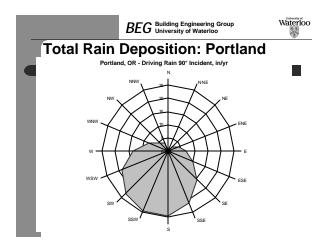


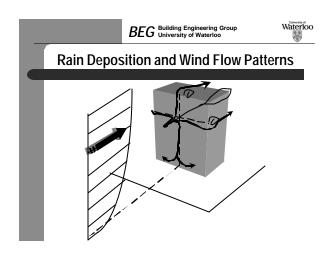


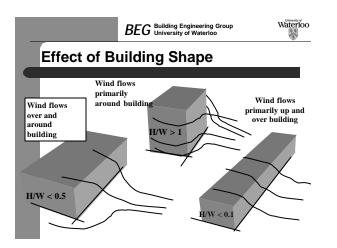


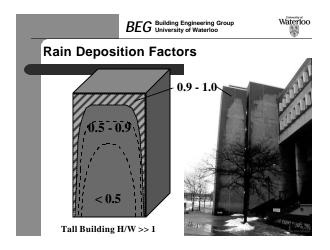
- accounts for airflow around building
- increases near top, edges, and corners
- normally < 1.0, except over small areas

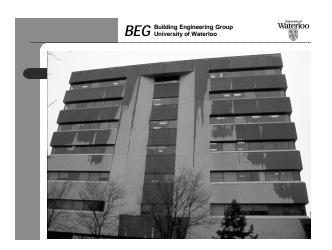


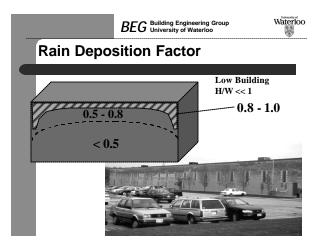




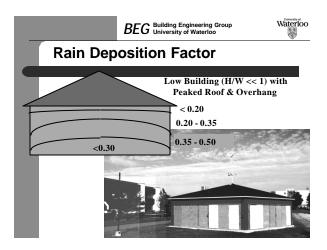


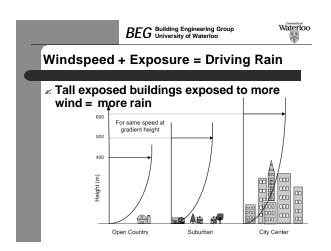


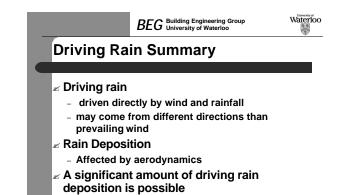


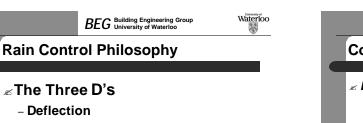




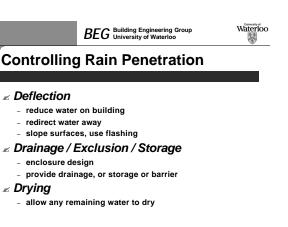


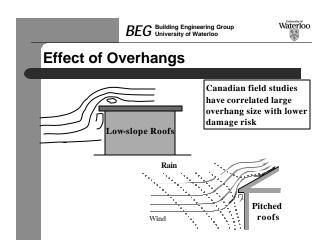




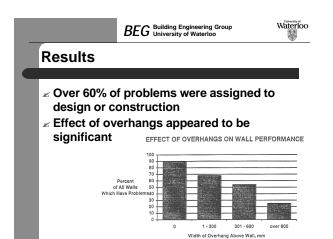


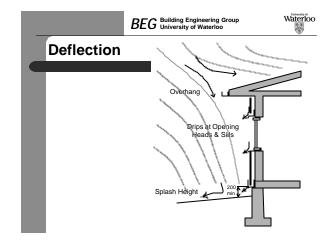
- Drainage/Exclusion/Storage
- Drying

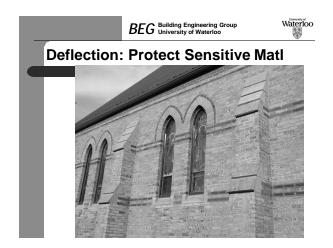




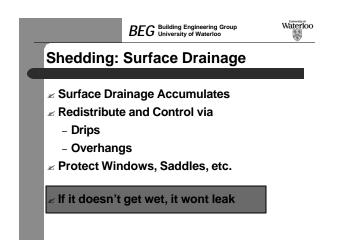


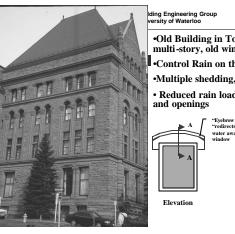






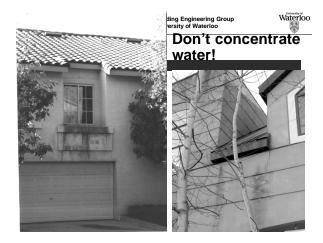


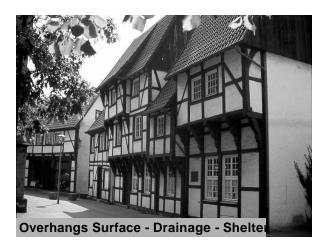


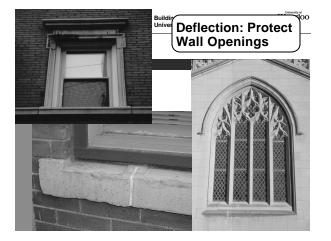




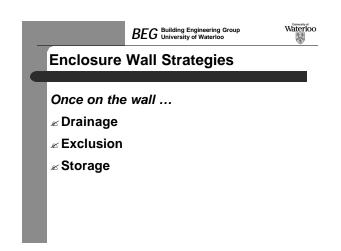
Waterloo

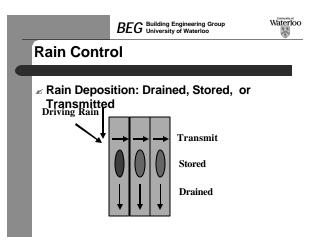


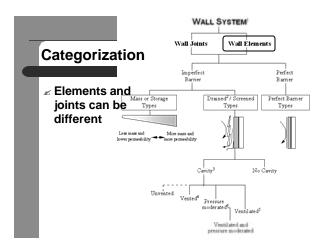


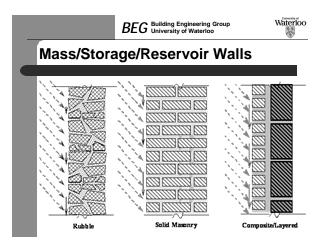




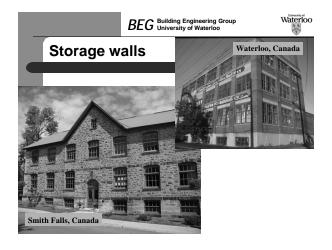


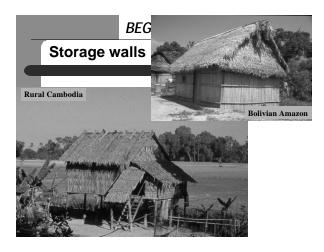


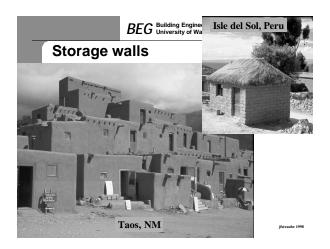


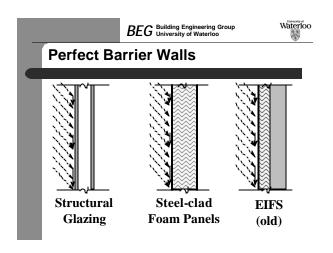




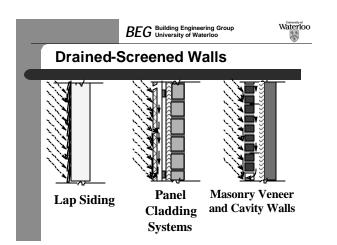


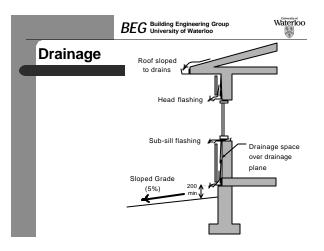


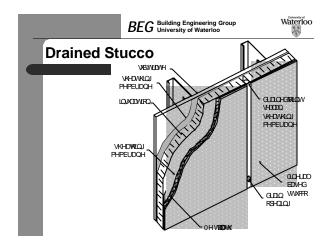


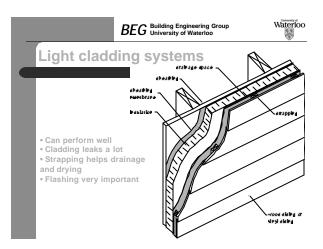


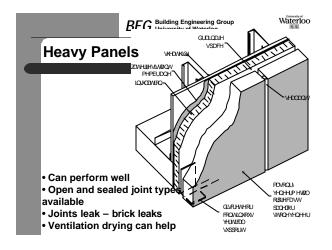


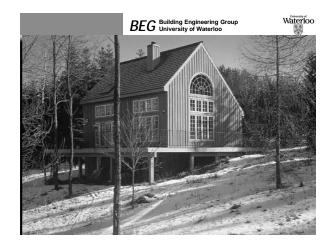






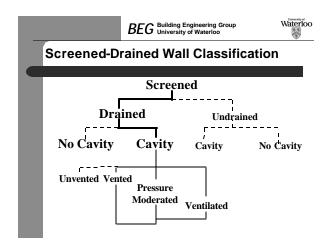


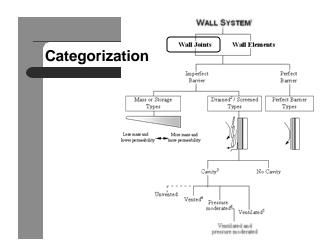


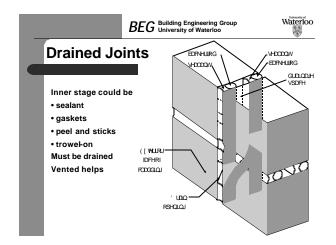


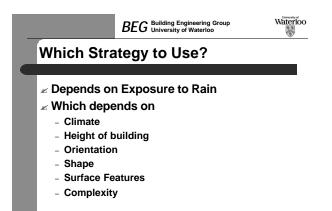


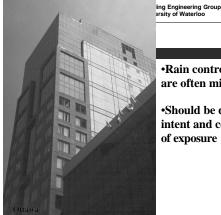






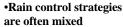




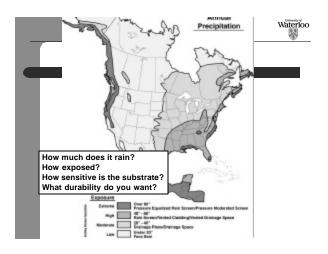


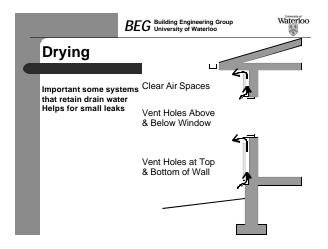


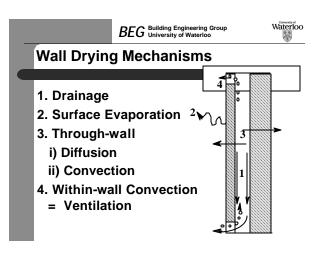
Waterloo



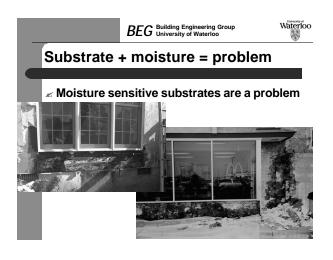
•Should be done with intent and consideration of exposure











BEG Building Engineering Group University of Waterloo Waterloo

EIFS & the OAA

- Need to control insurance costs
- Section Pro Demnity issues exclusion
- ✓ No coverage if:
- "no provision for drainage of precipitation that penetrates the wall system, or as otherwise provided in Practise Bulletins by the Association".

BEG Building Engineering Group

Waterloo

EIFS & the OAA

- ✓ Two pages, 23 & 24, deal with EIFS
- *∠* Does NOT require drainage in EIFS!
- Only Drained Joints over masonry, concrete

