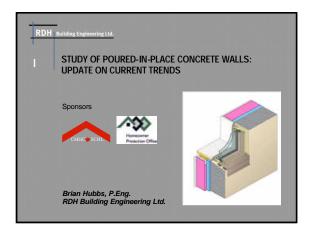
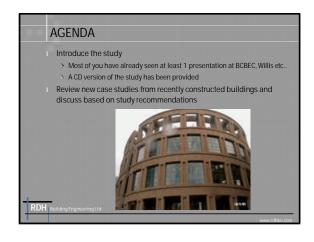
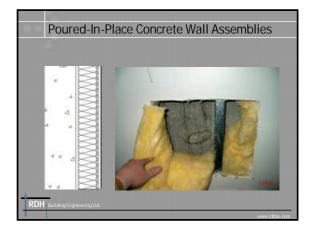
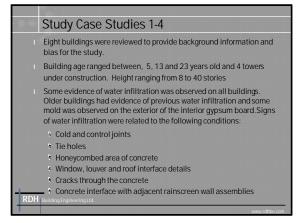
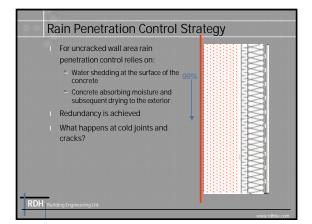
STUDY OF POURED-IN-PLACE CONCRETE WALLS: UPDATE ON CURRENT TRENDS

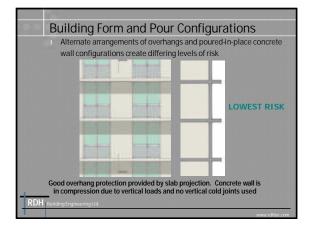




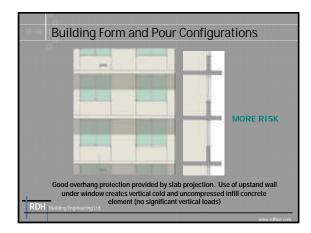


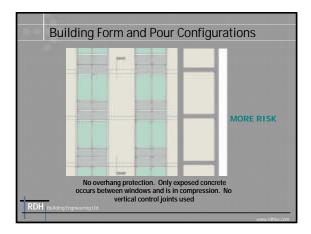


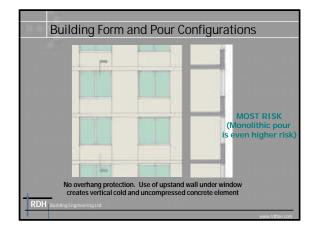


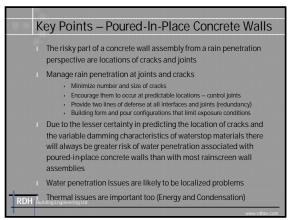


STUDY OF POURED-IN-PLACE CONCRETE WALLS: UPDATE ON CURRENT TRENDS







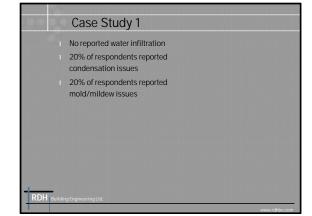


Three New Case Studies Constructed within the last four years

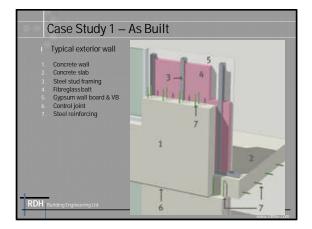
High-rise construction

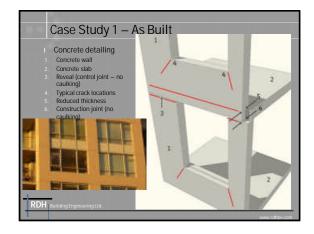
RDH

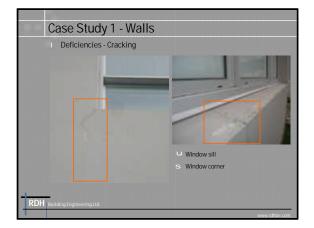
- Reported water infiltration, condensation and/or mold
- Cast in place concrete with exterior acrylic coating
- Within 5 year new home warranty period

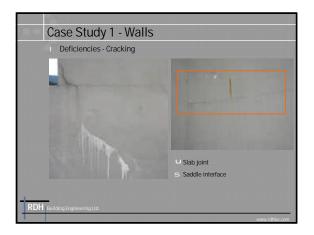


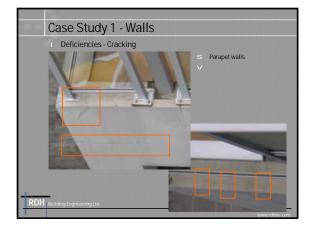
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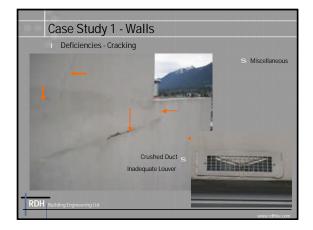




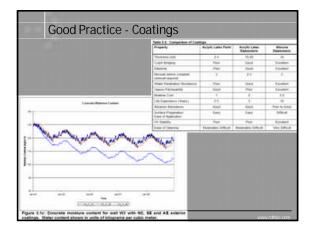


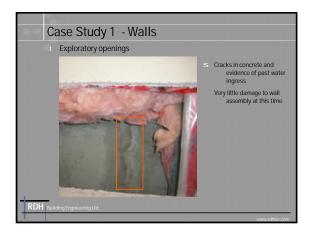


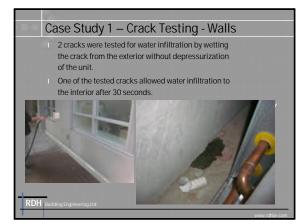


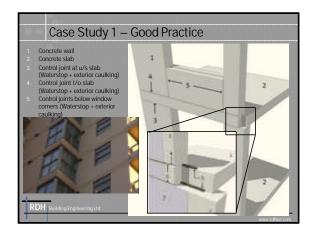


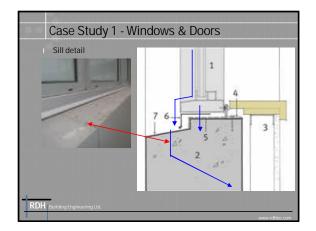
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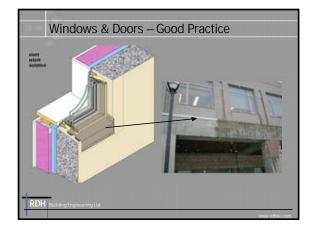






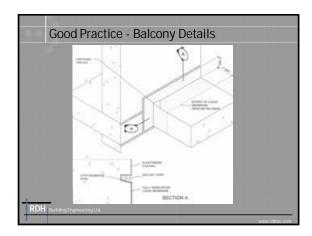






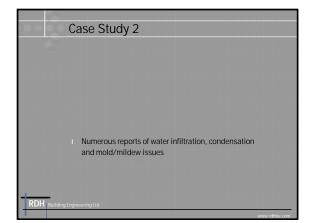
STUDY OF POURED-IN-PLACE CONCRETE WALLS: UPDATE ON CURRENT TRENDS





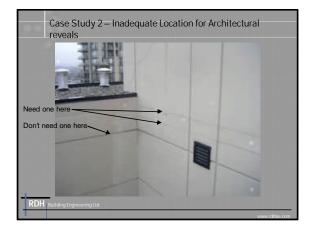




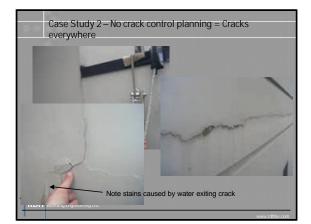




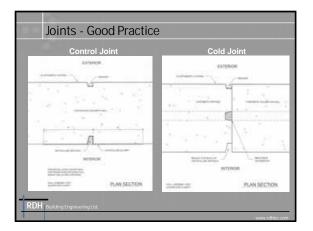
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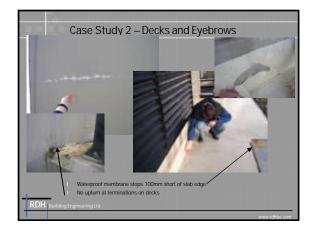




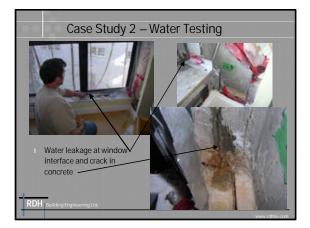


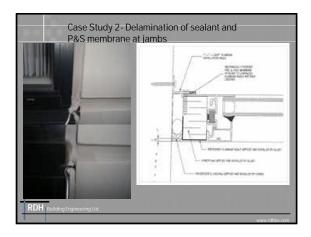


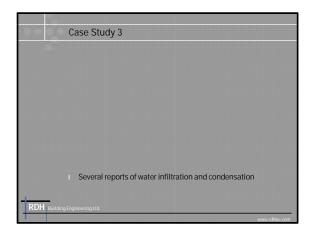




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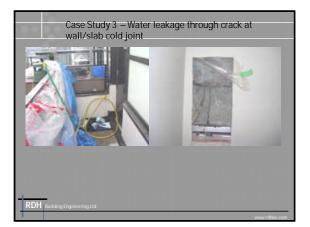




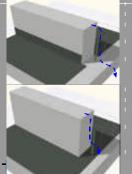
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Waterproofing – Case Studies as-built



Poorest Performance Membrane can be maintained and replaced

Cracks in concrete curb allow water to interior side of waterproof membrane

Water flows laterally to ends or cracks and enters interior

Locating leakage paths very difficult

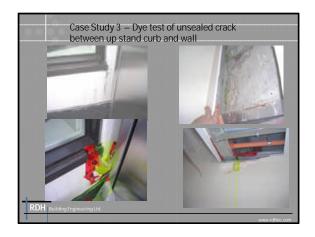
Better performance

Water entering at cracks flows to exterior Rebar penetration always under water, potential leakage path as bar corrodes

Membrane can not be repaired, maintained or replaced without curb removal or significant alteration of aesthetics

Membrane prestripping is often damaged at the edge during construction requiring curb removal to make proper transition, this is rarely done creating a weak point at critical location





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