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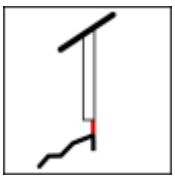
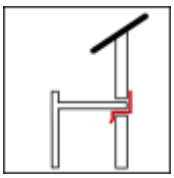
Critical Detail Checklist for Wall Assemblies

Water intrusion into wall assemblies has become a growing concern in the construction industry, yet water intrusion can be prevented simply by following sound construction practices that are required by model building codes. The list of details below illustrates some of the key areas of construction to pay attention to when designing, detailing or constructing walls.

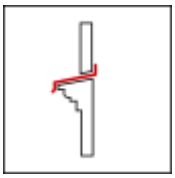


☐ 1. Terminate grade 8" (203 mm) below cladding

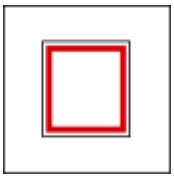


☐ 2. Provide flashing at decks

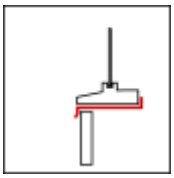
☐ 3. Provide diverter flashing at roof/sidewall terminations



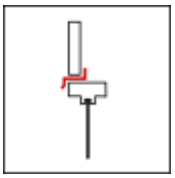
☐ 4. Provide flashing over build-outs



☐ 5. Protect rough openings



☐ 6. Provide sill flashing beneath windows and doors

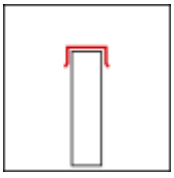


☐ 7. Provide head flashing above windows and doors

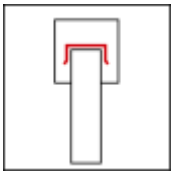
☐ 8. Seal around window and door penetrations

☐ 9. Seal around wall penetrations

☐ 10. Provide joints at required locations and seal



☐ 11. Provide coping over parapets



☐ 12. Provide saddle flashing at lower/higher walls

It has been said that, "As much as 90 percent of all water intrusion problems occur within 1 percent of the total building exterior surface area. The 1 percent of the structure's façade contains the terminations and transition detailing that all too frequently lead to envelope failures." [1] By paying close attention to construction details at cladding terminations, water intrusion can be prevented and building durability enhanced.

1. *Waterproofing the Building Envelope,* Kubal, Michael, T. (New York, 1993), p. 4.