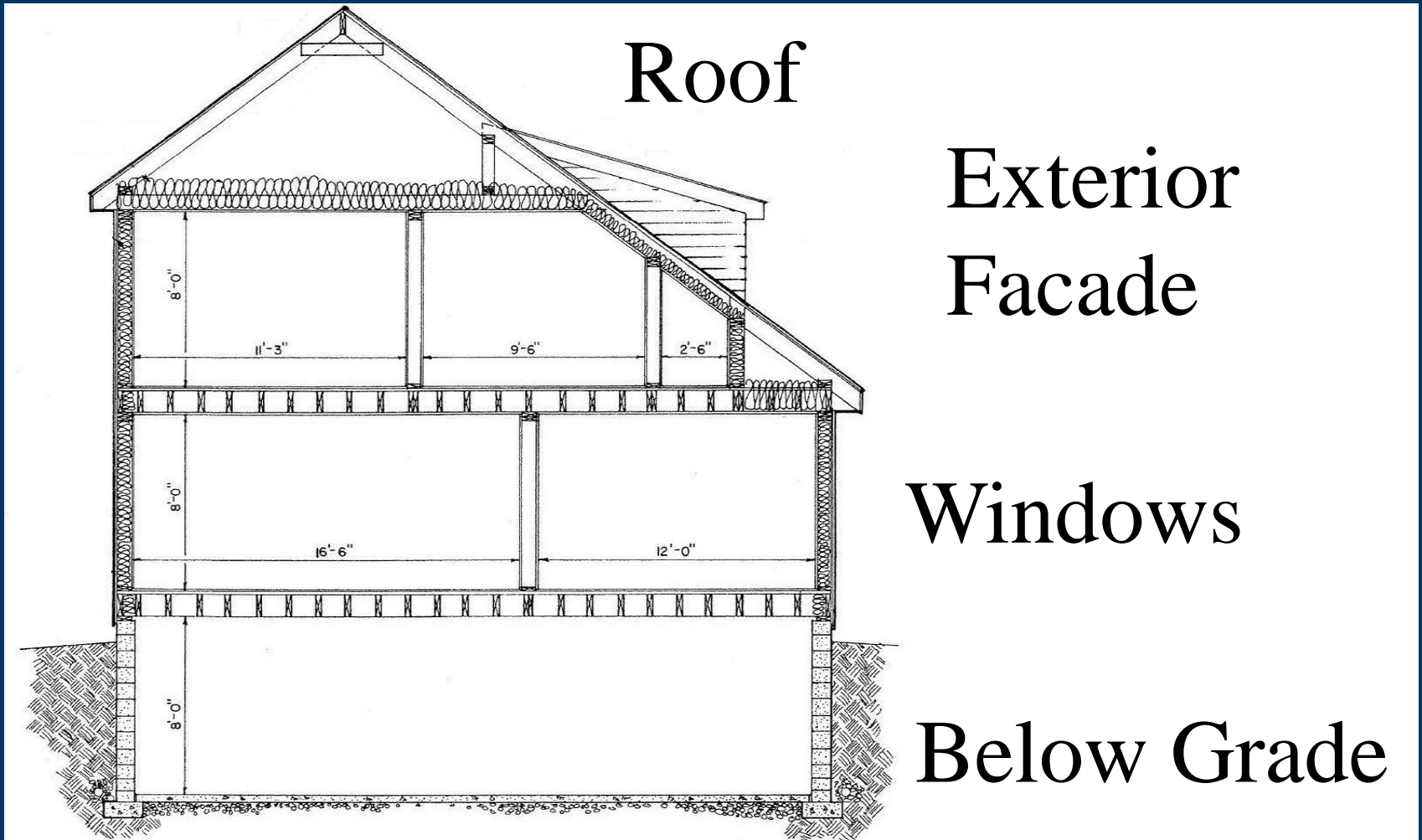


Lesson 4: The Building Envelope



Origin = Source + Path

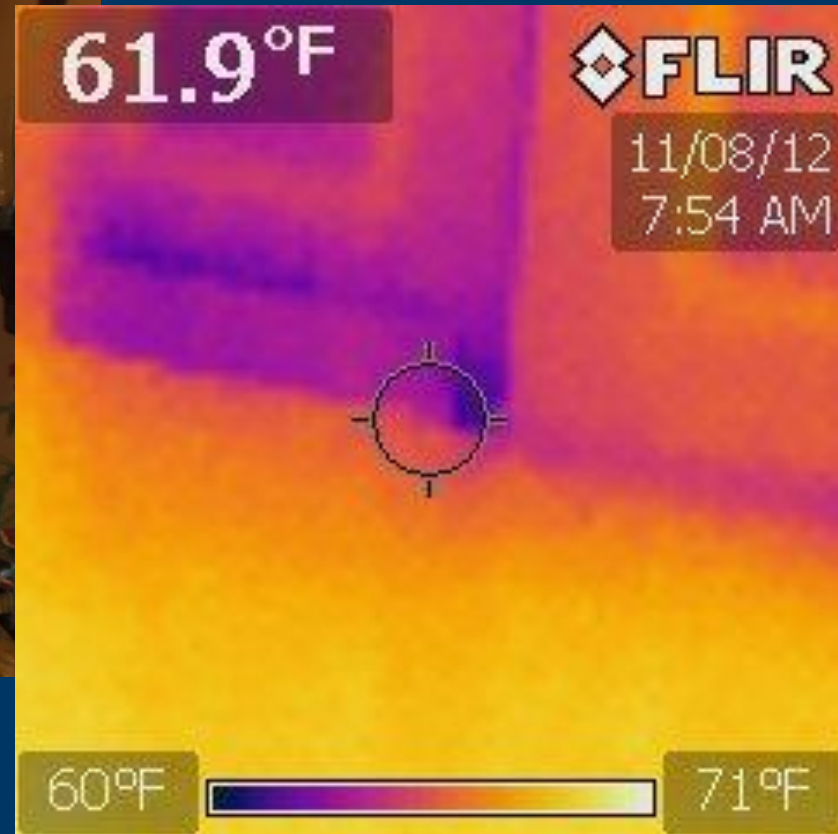
Points of Entry = lets in water

- Holes in building paper
- Holes in intersection points
- Holes, holes, holes at
- Windows and Doors



Example 5 : Wind Driven Rain

The outside temperature was 60 degrees. The inside temperature was 70 degrees



An infrared camera was used to detect cool outside air entering the house at the lower bottom corner of the door.



Example 5 : Wind Driven Rain



Origin
(Source + Path) = Hurricane (wind and rain)
+ a hole at the base of door



Example 5 : Wind Driven Rain



Cause: What one thing? =

Not installed
adequately



Point of Entry: Roofs

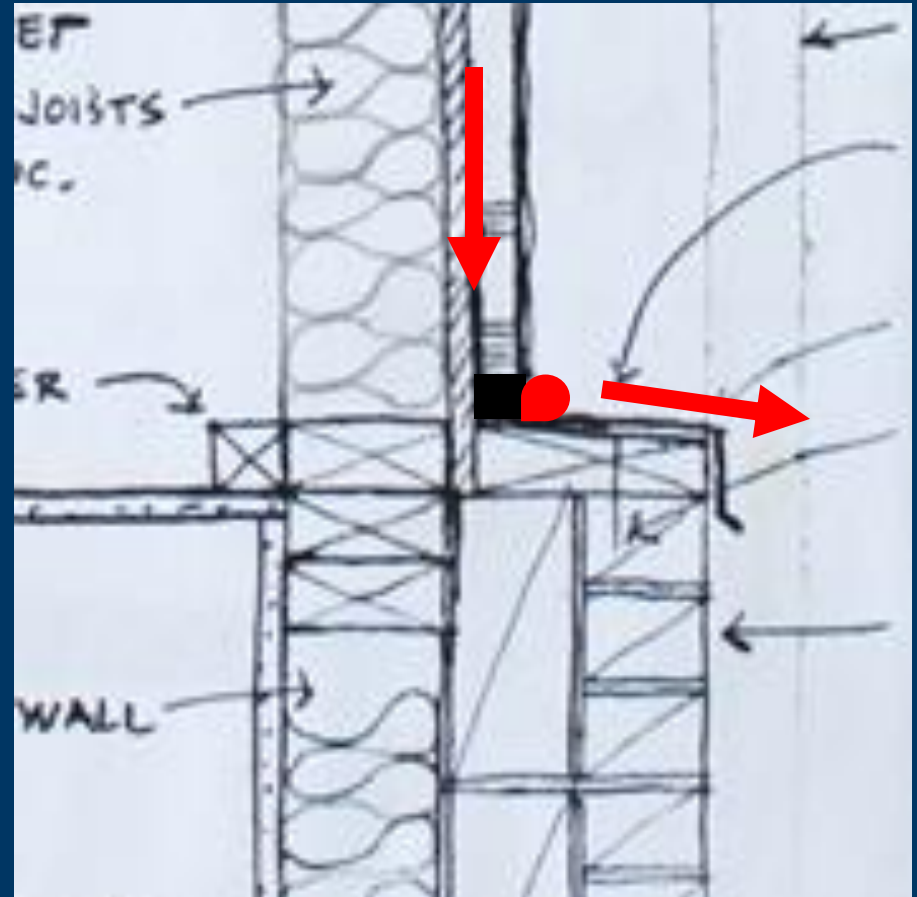
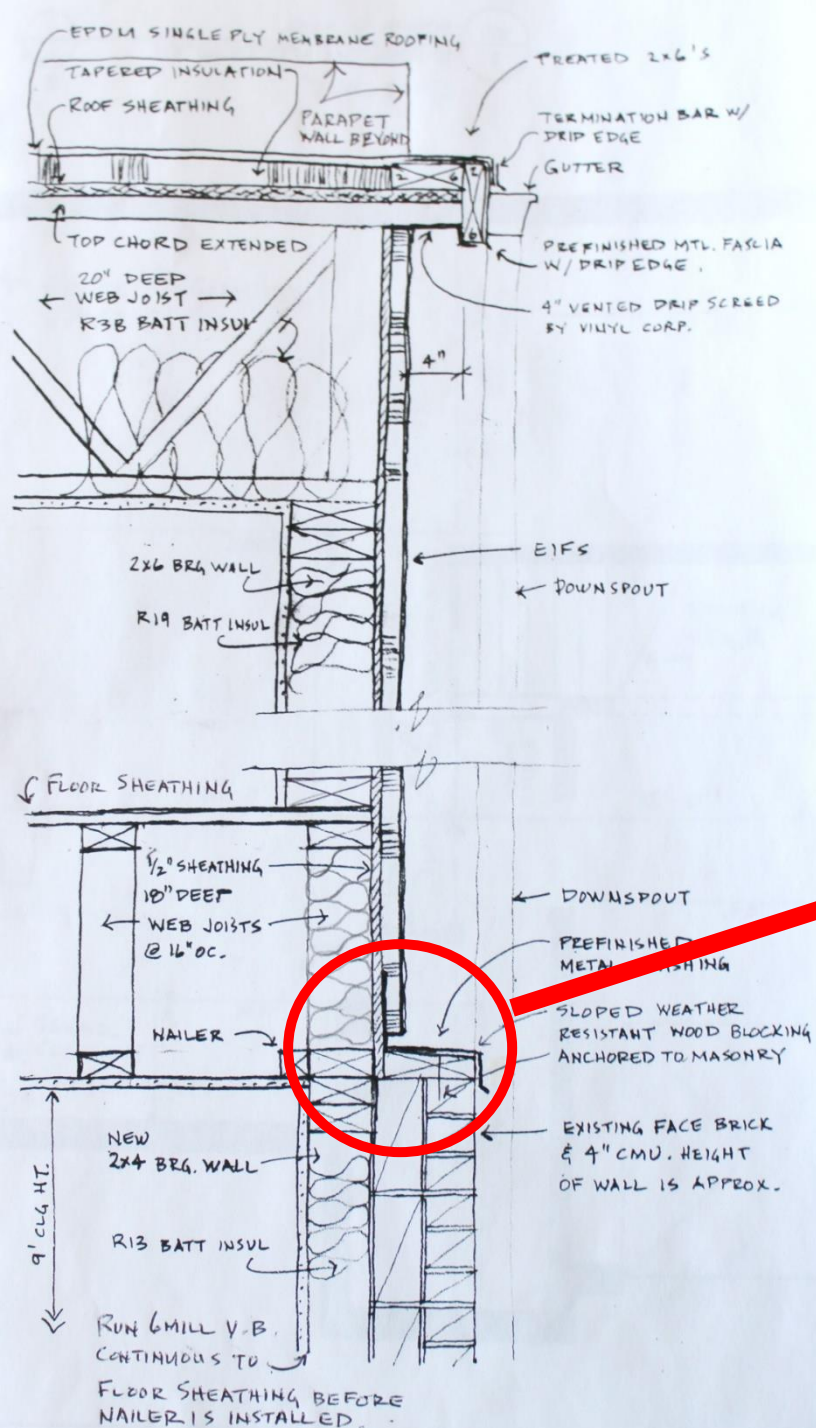
- A hole
- A cut
- A nail
- Wrinkle
- Rips and tears
- Deterioration
- Wind damage
- A penetration
- Vandalism
- Installation error
- Poor flashing
- Mechanical damage



Example 6: Liquid from the Outside

EIFS exterior insulation finish system

EIFS exterior insulation finish system



The EIFS was not allowed to drain at the metal flashing

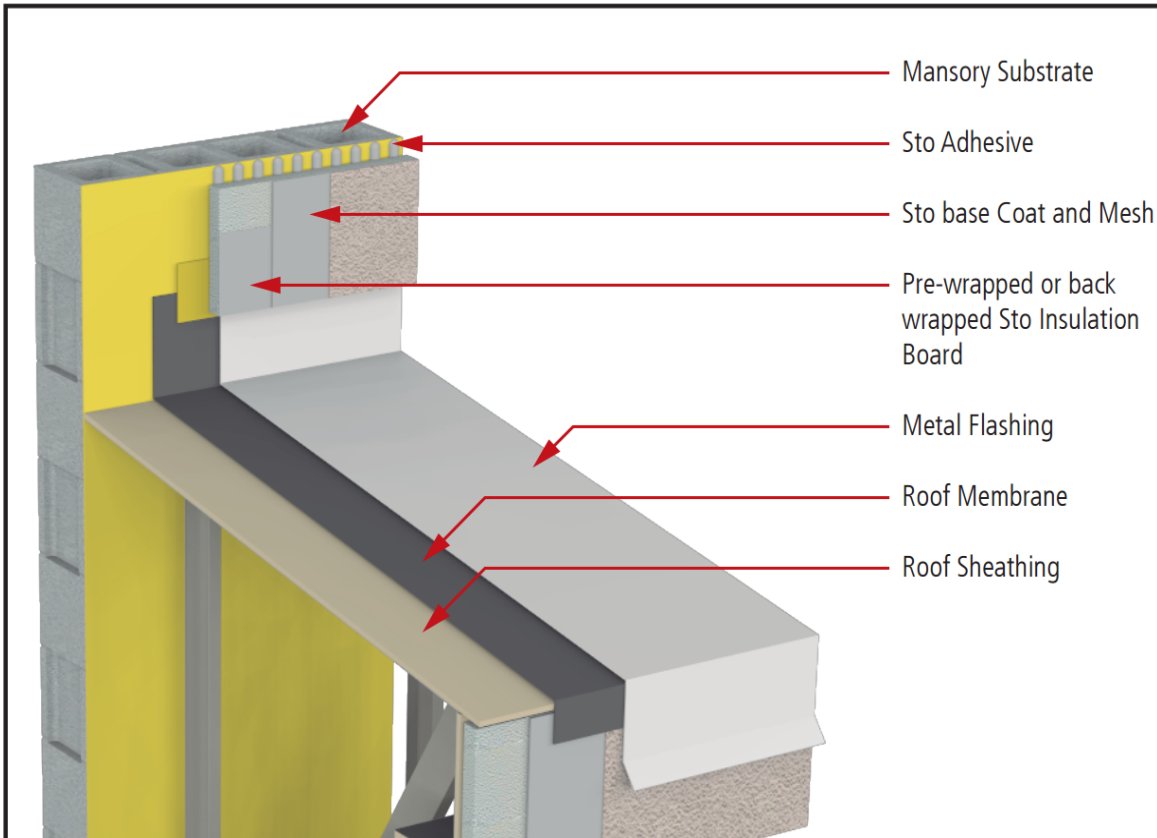


Example 6: Liquid from the Outside

StoTherm® ci Over Masonry Termination at Built-Out Feature

Detail No.: 19.53

Date: November 2015



Notes:

- 1) Terminate StoTherm® ci minimum 2 inches (51mm) above metal flashing with minimum 2 inch (51mm) overlap of flashing.
- 2) Provide sealant beneath flashing drip edge.

Cause: What one thing? =

Was not built according
to plan or standards

