High Performance Insulation Retrofit

Adding exterior insulation to the roof and walls of an old house is a great way to improve comfort and energy efficiency. It especially makes sense if the rafter cavities are already insulated, and it is most affordable when the roof and siding need replacement.

Watch this detail sequence on your phone: http://goo.gl/VwtpnR

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Illustration: Daniel Morrison
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High Performance Insulation Retrofit

Adding exterior insulation to the roof and walls of an old house is a great way to improve comfort and energy efficiency. Detail the bottom of the wall to allow clear ventilation.

Two layers of insulation, seal seams in outer layer.

1x3 strapping screwed into framing makes a ventilation channel for siding.

Aluminum coil stock bent into a J-channel and tucked behind the house wrap.

Bug screen keeps the ventilation channels clear.

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