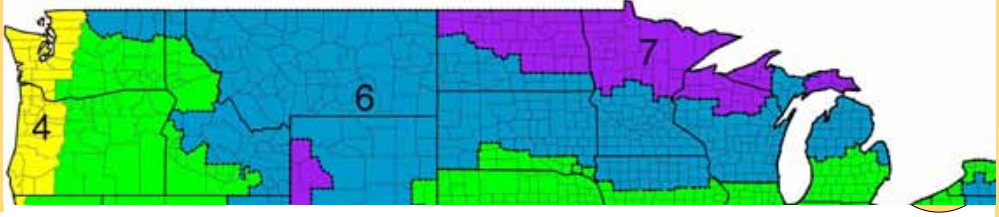
CASE STUDY

KUHL SOLUTIONS TO CLIENT PROBLEMS

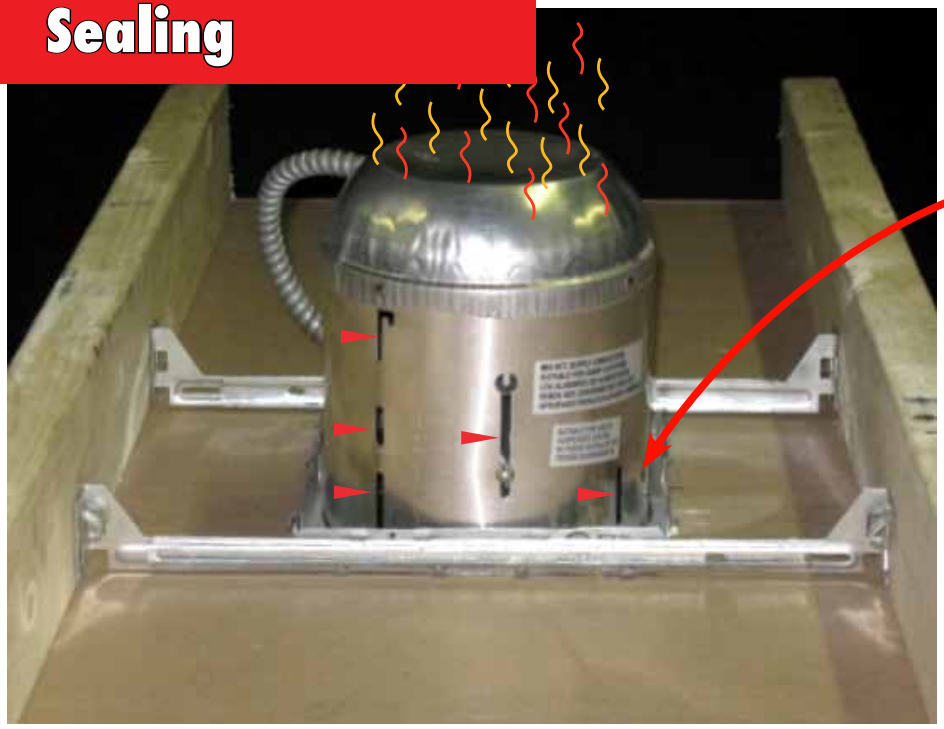


KUHL CASE #45

Two Ways of Sealing Recessed Lights

Save On Heating Bills and Reduce the Likelihood of Ice Dams in the Twin Cities

Sealing



Ring of foam is applied to the gap between the drywall and the metal recessed fixture.

Advantages:

Cheap and fast, blocks warm from leaking through the gap between the fixture body and the ceiling drywall.

Disadvantages:

Does not address the heat loss generated by the fixture or the air leaking through other perforations in the body of the fixture. (red arrows indicate unadressed heat leaks)

Boxing & Sealing

When a recessed light is Boxed and Sealed the entire fixture is encased in a box of insulation and sealed to the drywall.

Advantages:

Prevents heat loss and all warm air leakage around the recessed fixture.

Disadvantages:

Not easy to implement in tight areas and is more expensive than simple air sealing.

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