



Case Study - Information Bulletin

New Construction – Electrical Boxes

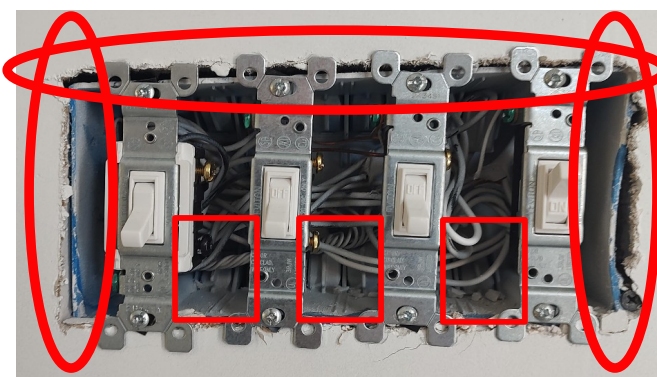
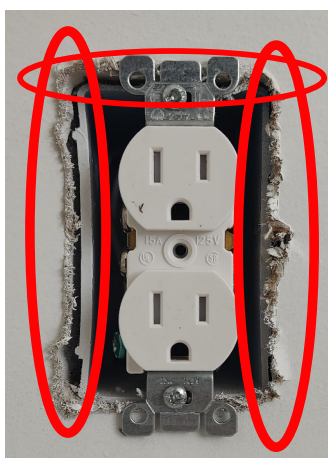
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The air leakage problem with typical electrical boxes installed on exterior walls.

The cover plate over electrical boxes does little to stop air infiltration.

Not only are the drywall cuts around the box a source of air leakage, but the holes in the back of the box where the NM cable enter and exit are also a source of air leakage.

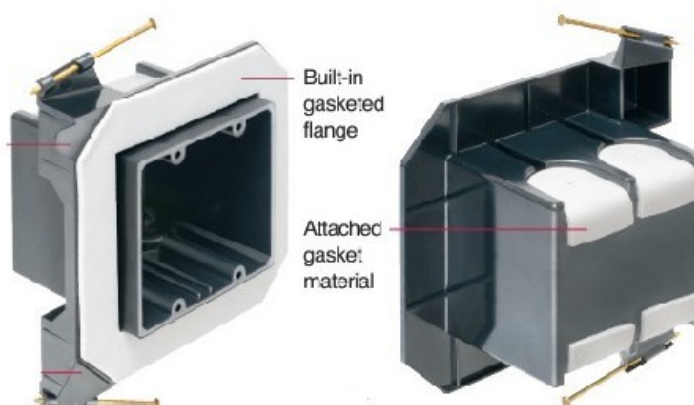
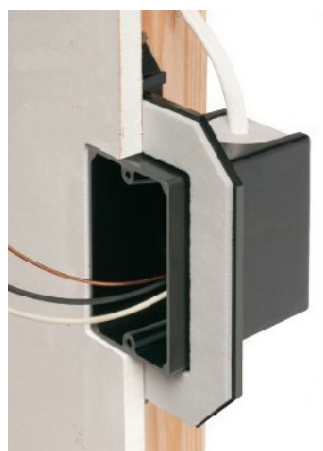
Foam gaskets applied to the backside of the cover plate are a good attempt to stop air leakage but do very little to address the holes where the NM cable enters and exits the box.



The Solution.....

Built-in gasket flange electrical boxes, also referred to as air-tight boxes or vapor-seal boxes.

There are several manufactures of this style of box including the familiar Carlon brand sold by most hardware stores, however, in our opinion, the ones shown here by Arlington Industries are a preferred product given its design features.



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