



Benefitting the Peyton Manning Children's Hospital

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Hello

I would first like to thank the committee here today for giving us the forum to share our experience and what we have all personally validated out in the field. Today we are giving our submission in regards to damages to roof decking created by ice damming specifically on the eaves of properties we have all re-roofed.

My name is Craig Stevens COO of Arac Roof It Forward. I have been in the roofing industry for 34 years. I have installed roofing systems from Minnesota to Florida and grew up installing roofing systems in Northern Indiana. I have been installing these systems in the Indianapolis metro area for the last 6 years exclusively. What we are all witnessing is not an anomaly but a constant on every project where eave protection has not been provided.

This issue termed ice damming is a real thing. And we are experiencing it on roofs as new as three to five years in age. The area where the bottom edge of the roof decking and the fascia board intersect is not only a vital part of the roofing system envelope but probably the most important location. Ice is forming in the gutters and up and over this connection point destroying roof decking on our properties. Fortunately, there is an easy solution to this issue. This code proposed in my opinion will handle this constant occurring issue.

Construction design is always evolving as new products have been invented. Building a structure is not complex but just a series of layers producing a protective envelope. This is done by using framing lumber, sheathing, synthetic type house wraps, different siding types and other products overlapping to create the envelope. It is truly not a rocket science.

We are fortunate than with the issue on topic today that the products have already been invented. We just need to start using them correctly. We are using this ice and water per most codes around penetrations and valley lining's as a secondary leak protection. And most of us in this room are using the ice and water on the eaves of our re-roofing project already. We fully understand the

importance of this product as it relates to the building envelope. It is time it becomes a code for the entire state of Indiana. It is fully transparent that there is a history of these ice events occurring. The rotten decking at the eaves tells the story.

One of the largest reasons for clients who wish to replace their roofing systems but do not is when the cost of the decking replacement due to rotten decking is factored in. This should not be the case and we can help to avoid this issue. This code will not only protect the decking but also the fascia board which in turns supports the gutters system on the property.

Most gutters that fall on properties are because the mounting fascia board they are connected to has deteriorated and the fastening system for the gutter no longer has a strong grip into the deteriorated fascia board.

As you can see this process of protecting the eave & Fascia board connecting point will offer a multiple of protective values to the property owner in the long run.

This damage created by these ice dams also creates many health and safety issues. Black mold can develop in this environment and can be hard to locate before health issue have already begun especially for our community's children. Homeowners run the risk of this decking collapsing when performing routine roof maintenance. And fire fighters loaded with gear run a great risk of falling through ceiling allowing this hole to act as a chimney creating dangerous backdrafts.

What is the cost?

This solution is at a minimal cost to new home builders as well. A home with 198 running feet of eaves which would be considered as a very large home would have an increased cost under \$200.00 per home. This when applied to a 30-year mortgage at current rates would increase a home buyers mortgage amount by \$.55 per month. This would be a valuable long-term investment.

In closing I ask that you please adopt this ice and water shield into code for the entire state of Indiana. It is a reasonable and sensible code for the betterment of our community for years to come.

Thanks again for allowing me this time.

Craig Stevens COO ARAC Roof It Forward