Building the Future of Resilience
WE CAN'T PREVENT ALL DAMAGE.

BUT WE CAN PREVENT THIS.
WHY YOUR GARAGE DOOR MATTERS

DISASTERSAFETY.ORG/GARAGEDOOR
IBHS damage investigations showed if the garage door survived the storm, 90% of homes had no structural damage to the roof.
It starts with a sticker.
Get a new door.
Voluntary Beyond Code Standards
Insured losses totaling more than $10 billion each year
IBHS Hail Research Path

1. Evaluate existing test standards
2. Collect Field Measurements
3. Recreate Realistic Laboratory Hail
4. Establish New Test Protocol and Ratings
Kinetic Energy
Heymsfield et al. 2014

Size – Mass
IBHS Field Study data 2012-2017

Strength
Giammanco et al. 2015
HOW DOES HAIL IMPACT A ROOF?

Bounce  Shatter  Slush
<table>
<thead>
<tr>
<th>Manufacturer/Brand</th>
<th>Overall Rating</th>
<th>Dents/Ridges</th>
<th>Tears</th>
<th>Granule Loss</th>
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<tr>
<td>ATLAS StormMaster® Shake</td>
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<tr>
<td>TruDefinition® Duration FLEX™</td>
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<td>CertainTeed NorthGate®</td>
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**Key**
- **Excellent**
- **Good**
- **Marginal**
- **Poor**

*Source: Insurance Institute for Business & Home Safety*
We are seeing communities repeat mistakes.

Rebuilding back without revision.
START HERE
Critical components that must be addressed before the risk curve can begin to be bent down. These are focused on the roof, vents, decks, and the 0-5 foot home ignition zone.

LEVEL UP
Larger projects to address other vulnerabilities around a home, such as walls, outbuildings, and eaves.

KEEP GOING
DIY steps to help keep your yard clear of debris. Tackle vulnerable fencing and keep trees trimmed.

LAST MILE
Replace windows, build a fire-resistant deck, and ensure the home ignition zone accounts for building shape details.
START HERE

- Fire-rated roof covering
- 0-5’ home ignition zone
- Clear under deck
- Replace or cover vents
It’s a system.

Requires homeowners, communities, community planners to work together.