

So what is retrofitting?



New construction:
A new house is built on an empty plot.



Repair:
Damage is repaired and the house is returned to its original condition.



Retrofitting:
Any damage is repaired AND key elements of the house are strengthened and upgraded to increase resilience.

Should I retrofit my house?

Houses in Dominica are at risk of damage from natural hazards and climate change. Retrofitting is a time and cost effective way to protect your property and family.

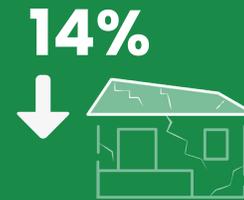
Retrofitting is appropriate and cost effective for approximately **80% of houses** in Dominica!

Look out for the **Dominica Retrofit Guide** for more tips on retrofitting. To learn more, visit the project survey.housing.gov.dm or contact cdri.coordinator@gmail.com.



Roof Retrofitting for Resilience

FOR HOMEOWNERS AND BUILDING PROFESSIONALS FROM THE **DOMINICA HOME RETROFIT GUIDE**



In 2024, the Ministry of Housing conducted a **nationwide survey** of over **500** existing houses.

The results show that there has been a **14% reduction** in the **vulnerability of houses** since Hurricane Maria (2017).

However 63% of roofs are still **highly vulnerable** due to poor design and construction of galvanize roofs.



BUT DID YOU KNOW?
In most cases, galvanize roofs can be made safer with a **roof retrofit!** →

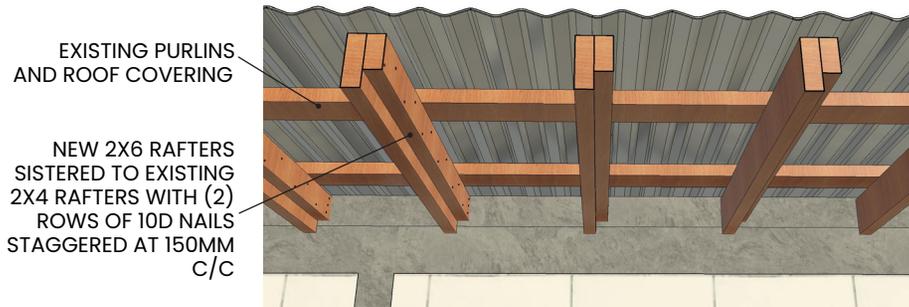
We extend our gratitude to the Governments of India, Australia, and the United Kingdom, and to the European Union, for their financial support for IRIS through CDRI's Infrastructure Resilience Accelerator Fund

How can I retrofit my roof?

The key to a strong roof is strong **framing**, strong **connections** and strong **galvanize**. If you are concerned about your roof, talk to an engineer or builder about one of these three retrofits.

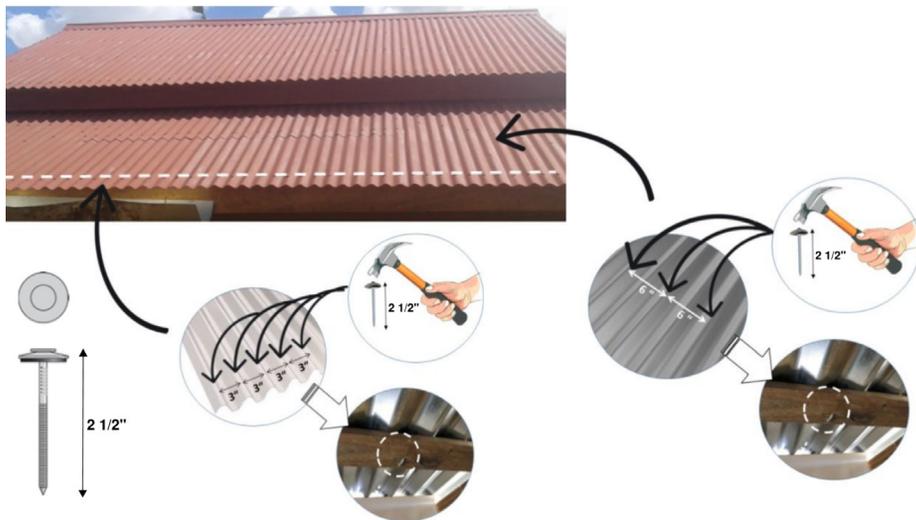
1. Strong Framing

If the rafters are spaced more than 2 foot apart, or are smaller than 2x6, sister a new rafter:



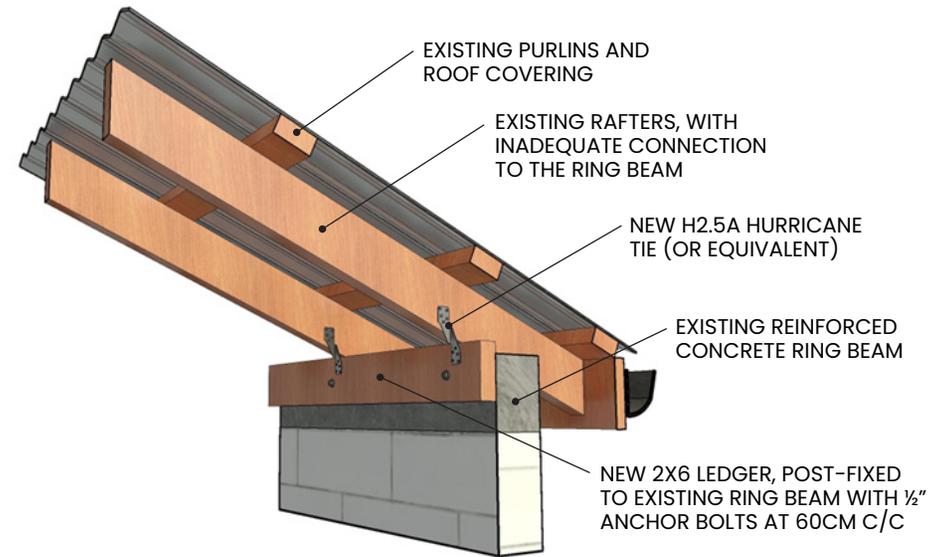
2. Strong Galvanize

Swap out any roof sheets that are damaged or thinner than gauge 24, and make sure there are enough screws:



3. Strong Connections

Strengthen the connection between the roof and the ring beam by adding a ledger:



Improve the connection between the rafters and the ridge by adding collar ties:

