Why screen enclosures fail

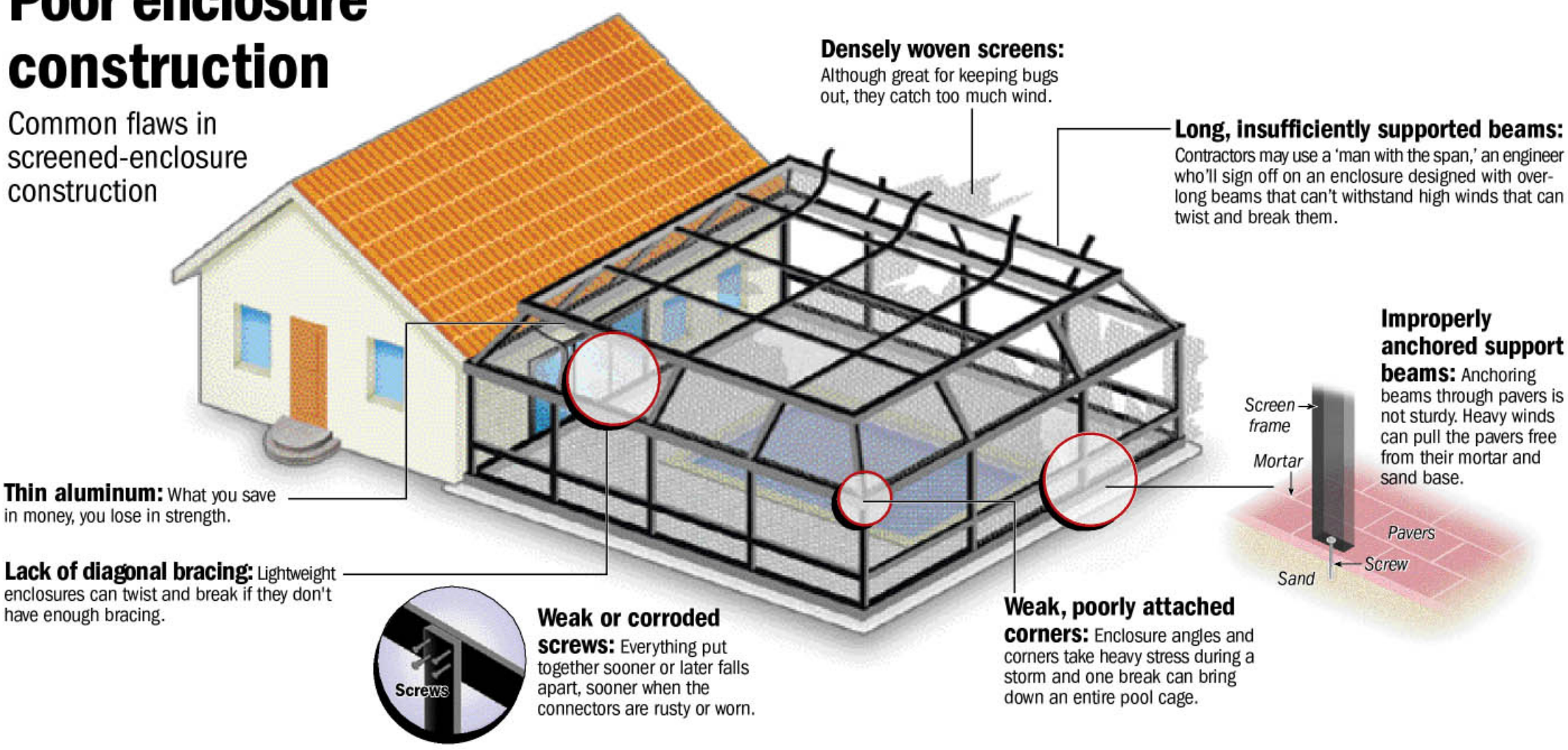
They aren't like a house, where wind hits a wall and passes around it.

Without sufficient airflow, and bracing, screen enclosures twist and collapse

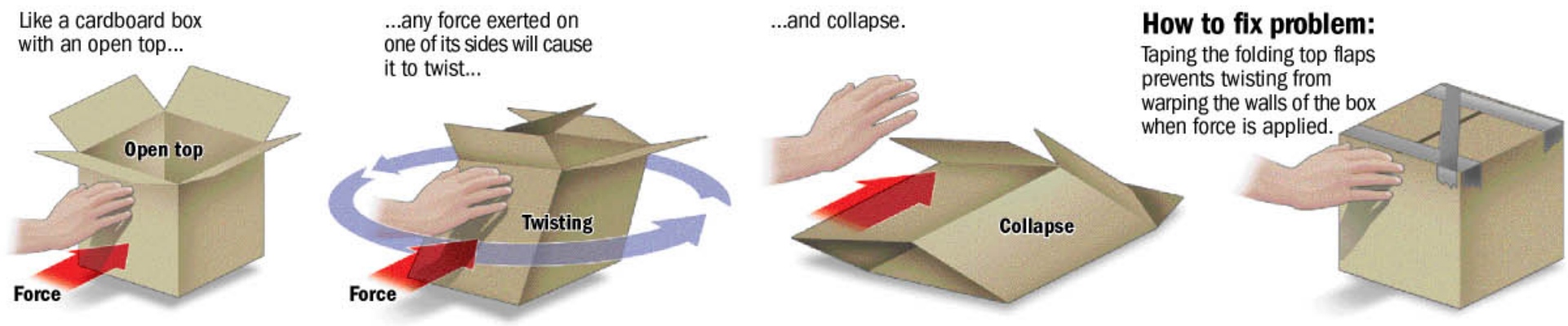
With screen enclosures, hurricane winds hit one water-soaked screen wall, then pass through and push against the far wall from the inside, while also pushing up the top. Wind that does deflect around the outside of the enclosure tugs at it from behind. Without sufficient bracing, an enclosure twists and crumples when subjected to these forces.

Poor enclosure construction

Common flaws in screened-enclosure construction

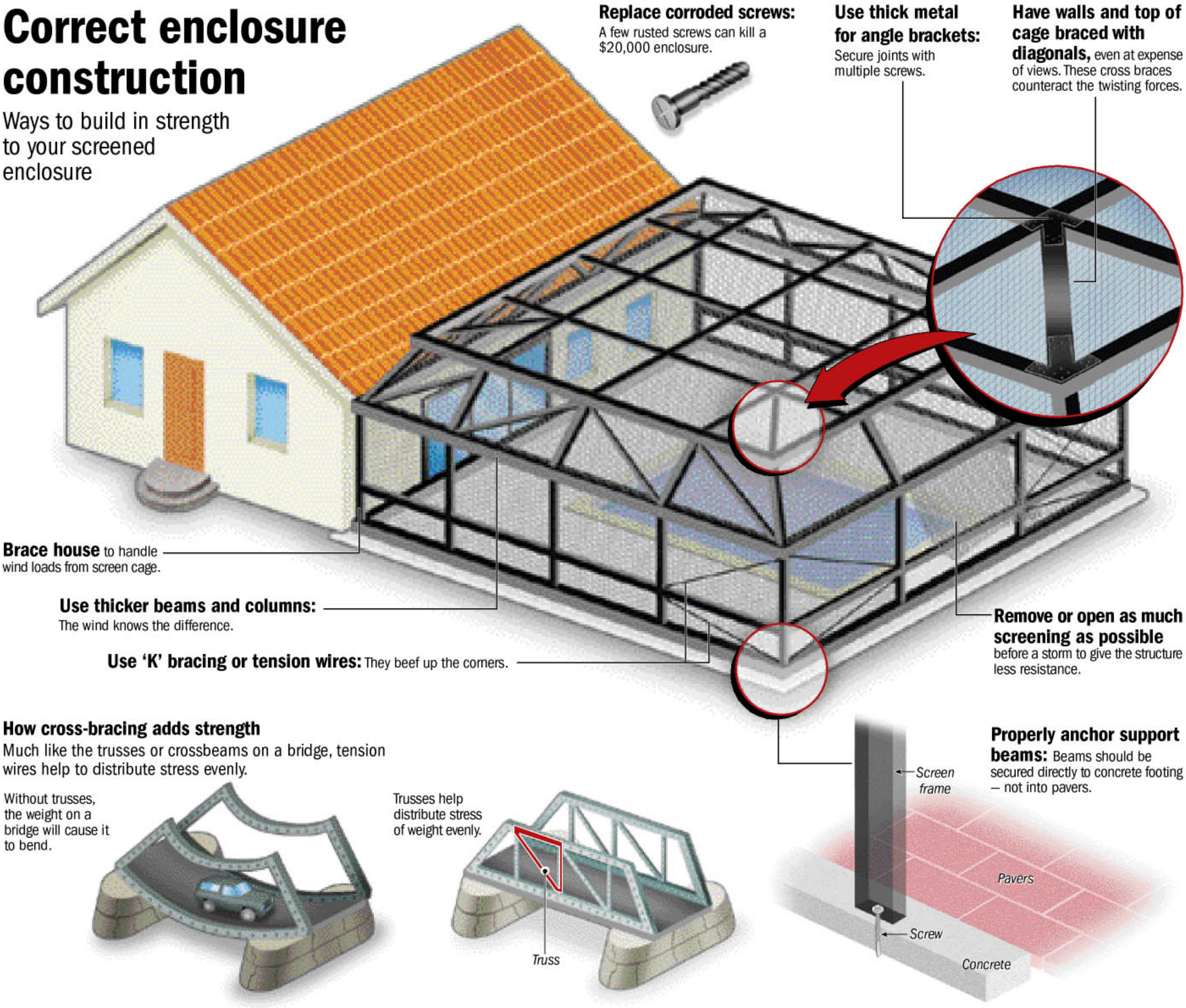


How screen enclosures can collapse like a cardboard box



Correct enclosure construction

Ways to build in strength to your screened enclosure



How cross-bracing adds strength

Much like the trusses or crossbeams on a bridge, tension wires help to distribute stress evenly.