

Structural Strength

GREEN KEY



Galveston



HISTORICAL
FOUNDATION

GREEN
REVIVAL

NATIONAL
TRUST
FOR
HISTORIC
PRESERVATION®

The Old Green

- The superior qualities of **old-growth timber** give the structure a natural strength and resistant to rot.
- Heavy corner-bracing, as seen in this house, provide lateral strength which helps the house withstand windstorms.
- The use of wooden lath lends extra support.



Corner-bracing in some historic houses give them advanced strength against storms.



Galvanized steel brackets, more durable in the salt-air environment, secure the house to the wooden piers.

The New Green

- We put an emphasis on the strength of the new foundation, using durable wood and **galvanized steel brackets**.
- The timbers are separated from the concrete to help protect against termite damage.
- Steel rods, spaced every 8 feet, connect the structure from the foundation to the roof, providing a unified structural strength.



Threaded rods, as seen here between the wall studs, tie the sills at the bottom of the walls to the plates at the top.