

# MAKE YOUR ELEMENT ICF HOME MORE FLOOD RESILIENT

FLOODING CAN OCCUR ANYWHERE, OFTEN WITH LITTLE OR NO WARNING.  
THESE PROACTIVE STEPS CAN HELP YOU REDUCE THE RISK OF A FLOOD

- 1 Design the home to be on stilts (above the flood lines).
- 2 Use an ICF floor system for the main floors of the home, or design the home to be slab-on-grade or with a frost-protected shallow foundation.
- 3 Avoid building a basement in flood prone areas or areas with high water tables.
- 4 If you do build a basement, install double waterproofing (such as a layer of peel-and-stick and then a layer of dimple board) to protect the membrane and relieve hydrostatic pressure against the wall.
- 5 Use free-draining backfill such as sand against the basement wall.
- 6 Install the waterproof membrane up to a height above flood lines.
- 7 Direct water away from the building by making sure your yard slopes away from the house.
- 8 Anchor outside fuel tanks.
- 9 Install exterior electrical meter box and power points above flood lines.
- 10 Place interior switches, sockets, circuit breakers and wiring at least 12 inches above expected flood levels.
- 11 Install an interior or exterior sewer backflow valve.
- 12 Install a sump pump and ensure the battery remains fully charged.
- 13 Protect your well from flood contamination by having a licensed contractor inspect it and suggest safety improvements.
- 14 Install HVAC equipment to an upper floor or build a flood-proof wall around the equipment.



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