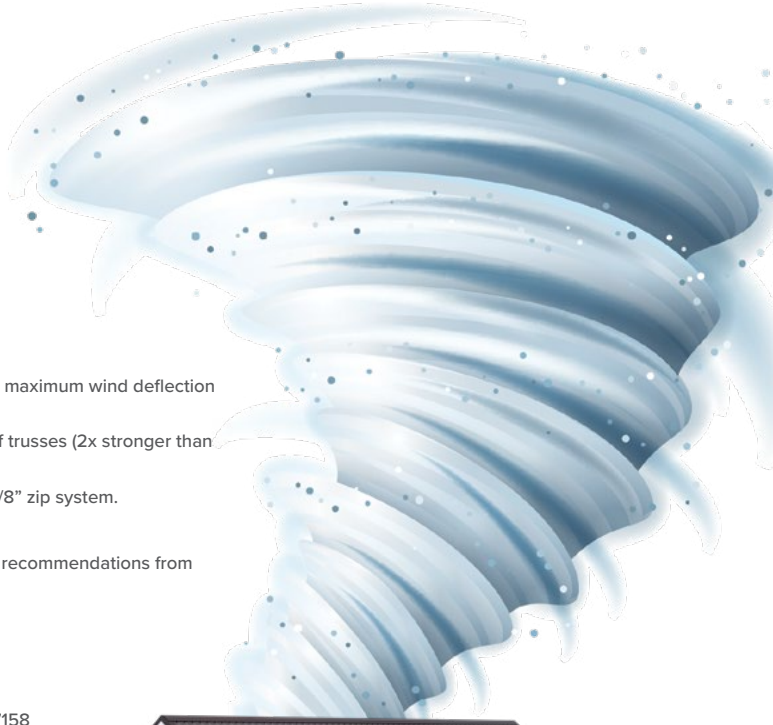
MAKE YOUR ELEMENT ICF HOME MORE HIGH-WIND RESILIENT



1 WALLS

- Design Logix walls to the appropriate wind speed (refer to Logix whitepaper “Designing Safe Homes & Rooms”).
- Construct gable walls with Logix.
- Follow Logix-prescribed attachment recommendations.

2 OPENINGS

- Install impact-rated windows (must be appropriate for the exposure category) or protect windows with impact-rated shutter products with permanent anchors (passed ASTM E1996 and E1886 for large missile test D).
- Protect sliding glass doors with impact-rated shutter products with permanent anchors (passed ASTME1996 and E1885 for large missile test D).
- Install sliding glass doors with impact-rated shutter products with permanent anchors (passed ASTME1996 and E1885 for large missile test D).
- Install impact-rated entry doors or protect doors with impact-rated shutter products with permanent anchors (passed ASTME1996 and E1886 for large missile test D).
- Install garage doors that meet all design pressures associated with design wind speeds (ASCE 7-05 or ASCE 7-10).

3 OVERHANGS

- Gable overhands should not be vented.
- Center-brace at mid-span box type all soffit and

4 ROOF

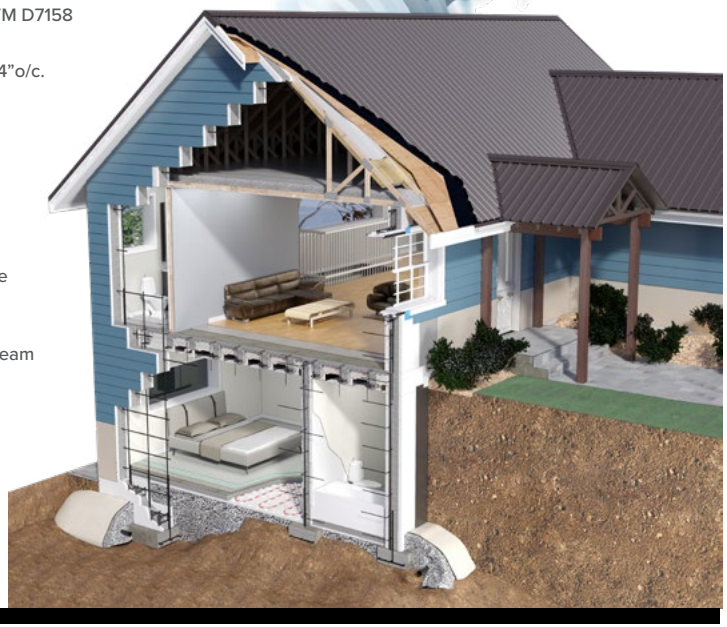
- Truss design for high wind loads per exposure.
- Consider a 6/12 roof pitch or a 4-sided hype roof for maximum wind deflection and minimum roof lift.
- Use machine-rated 2400 psi framing lumber for roof trusses (2x stronger than regular framing).
- To build a roof deck, use 7/16” OSB or plywood or 5/8” zip system.
- Use oversized truss hangers.
- Seal the roof deck for high wind conditions (refer to recommendations from Fortified Homes).
- Flash roof penetrations and valleys.
- Install wind-rated under layment.
- Install a high wind-rated roof cover (meets ASTM D7158 Class H).
- Fasten shingles with 8D ring shank nails 6” to 4”o/c.
- Install ridge and off ridge vents rated for water intrusions resistance [meet Florida Code TAS

5 OTHER

- Ensure chimney is adequately connected to the roof structure.
- Ensure porches and car ports are adequately connected to resist uplift (to beam/wall, from beam

6 SAFE ROOM

- Construct a Fema-compliant in-home or outside safe room with Logix ICF (an in-home safe room built into a corner can use two existing Logix exterior walls).



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