Make your Logix XtraComfort™ Home MORE HIGH-WIND RESILIENT against Hurricanes and Tornadoes

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.
• Use a high impact-rated synthetic stucco.

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 ASTM E1996 and E1886 for large missile test D).
• Install impact-rated entry doors or protect doors with impact-rated shutter products with permanent anchors (passed ASTM E1996 and E1886 for large missile test D).
• Install garage doors that meet design pressures associated with design wind speeds (ASCE 7-05 or ASCE 7-10).

OVERHANGS
• Gable overhangs should not be vented.
• Center-brace at mid-span box type sill soffit and gable overhangs.

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 intrusion resistance [meet Florida Code TAS (100) A].
• Add strength from the underside with closed cell polyurethane foam (minimum core density 1.5-3.0 L B/C, meets ASTM D1622).

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 to beam and column to structure below).

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