

HURRICANE - CONTINUOUS LOAD PATH ENGINEERING

TO BE COMPLETED BY A PROFESSIONAL ENGINEER. PLEASE COMPLETE ALL SECTIONS BELOW. IF THE SECTION DOES NOT APPLY, ENTER N/A FOR NOT APPLICABLE.

GENERAL PROPERTY INFORMATION

FORTIFIED ID:

Homeowner's name:
 Property address: City:
 State: ZIP: County:
 Roof installed on:

CONTINUOUS LOAD PATH DOCUMENTATION

To ensure that an adequate continuous load path from the roof to the foundation of the home exists, it must first be documented on the plans, and then installation in the field must be verified. To satisfy the FORTIFIED Home™ continuous load path requirement:

- a. Engineering documentation requirements must be satisfied. This document, once properly completed and signed by a Professional Engineer certifying compliance with all applicable requirements, satisfies the engineering documentation requirements.
- a. Documentation of the continuous load path installation must also be satisfied. The FORTIFIED Home™ Compliance Letter for Continuous Load Path INSTALLATION, once properly completed and signed by a licensed building contractor, professional engineer or architect, or building code official certifying installation in accordance with engineering plans for all requirements, will satisfy the installation documentation requirements for the continuous load path.

PLEASE COMPLETE ALL SECTIONS. FILL IN THE BLANKS WHERE INDICATED. IF THE SECTION DOES NOT APPLY, ENTER NA FOR NOT APPLICABLE.

Design wind speed for the location (mph)

- Design wind speed from (check appropriate box):
- ASCE 7-05 (current wind speed maps for 2006 and 2009 IRC) OR
 - ASCE 7-10 (recently adopted wind speed maps-dependent on Authority Having Jurisdiction)
- Wind Exposure Category (check one):
- B C D (only with ASCE 7-10)

CONTINUOUS LOAD PATH ENGINEERING REQUIREMENTS

ROOF TO WALL CONNECTIONS

- Check here if connections of roof framing-to-wall/support member are specified and resist applicable uplift loads.

Describe the typical roof to wall/ support member connection

Example: H10 connector at each truss, MTS16 at each rafter

WALL ABOVE TO WALL BELOW CONNECTIONS

- Not applicable. Check here if the home is single story.
- Check here if connections of wall above to wall below are specified and resist applicable uplift loads and lateral loads.

Describe the typical connection from the wall above to the wall below

Example: straps from wall above to wall below at X' on center

WALL-TO-FOUNDATION CONNECTIONS

- Check here if wall to foundation connections are specified and resist applicable uplift and lateral loads.

Describe the typical connection of the wall to the foundation

FOUNDATION

- Check here if the foundation support system is capable of resisting applicable uplift and lateral forces

Describe the foundation (stemwall, piling, slab on grade, etc.)

HOUSES ON PILINGS

- Check here if the house is on an elevated foundation (pilings) and complete the sections below
- Check here if first floor wall connection to beams spanning between pilings is specified. Describe typical connection of walls to beams

- Check here if beam connections to pilings are specified. Describe typical connection of beam to piling

- Check here if piling size, material, depth of embedment, spacing, and bracing have been specified on the plans

List piling material, size, and spacing

List piling depth of embedment

1 ATTACHED STRUCTURES CONNECTIONS

- Not applicable. Check here if the home has no attached structures.
- Check here if all attached structure (porches, carports, walkways, etc.) connections are specified and resist applicable uplift loads, including

Roof to beam

Describe typical roof to beam connection

Beam to column

Describe typical beam to column connection

Column to foundation or supporting structure

Describe typical column to support below connection

CHIMNEY FRAMING AND CONNECTIONS

- Not applicable. Check here if the home has no chimney.
- Check here if chimney framing and connections are detailed and designed for the appropriate wind speed
- Check here to indicate proper anchorage to the supporting structure has been specified
- Check here to indicate that roof support members will adequately support the overturning chimney loads due to wind

ROOF FRAMING

Conventionally framed wood roof

- Check here if roof rafters and ceiling joist member size, spacing, span, and framing have been evaluated for strength and deflection by accepted engineering principles and practices.

Rafter size _____ Rafter spacing _____
Ceiling joist size _____ Ceiling joist spacing _____

Roof trusses

- Check here if roof truss placement plan has been reviewed and is in conformance with overall design intent (location of girders, spacing of trusses, adequate support for trusses, etc.)

OTHER TYPES OF ROOF FRAMING

- Check here to indicate that roof structural support system has been evaluated for strength and deflection by accepted engineering principles and practices

Describe roof structural support system.

EXTERIOR WALLS

- Check here to indicate 7/16" plywood/OSB sheathing (or equivalent) is specified for all wood frame or light gauge steel exterior walls
- Check here to indicate reinforcement is specified for all exterior masonry and concrete walls

Describe reinforcement type and location

¹ This section and the Certification section must be completed to comply with the attached structure anchorage requirement of a SILVER designation. Entire form must be completed to qualify for a GOLD designation.

CERTIFICATION

I hereby certify that I am a Licensed Professional Engineer in the State of _____ .
I verify that, to the best of my knowledge, all applicable engineering requirements for continuous load path listed above have been incorporated in the design details of the home located at:

Furthermore, I understand that any person who makes a false statement or misrepresentation, and any other person knowingly, with an intent to injure, defraud, or deceive, who assists, abets, solicits, or conspires with such person to make a false statement or misrepresentation may be subject to both criminal and/or civil penalties. By completion of this Affidavit, the undersigned does not make a health or safety certification.

Signature: _____ Date: _____
Printed Name: _____
Company: _____
Phone Number: _____
Address: _____
City _____
State _____ ZIP _____
License or Registration number: _____

Affix seal: