GC2 - FORTIFIED Home™ - Gold Compliance Form for Contractor – Engineered Continuous Load Path for New Construction

The continuous load path (CLP) design is the responsibility of a professional engineer designated as the building designer/ engineer of record for the home. This form is intended to document that certain aspects of the home's continuous load path have been installed as specified by the professional engineer's design. All sections must be completed and signed by the installing contractor. **The form is not valid if all sections are not filled out, initialed and/or signed by the installing contractor.** IBHS does not take responsibility for the continuous load path design of the home.

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1. General Information *(complete a through g)*:

a. FORTIFIED ID: _____(Obtain from homeowner or FORTIFIED Evaluator)

b. Homeowner's Name: _____

c. Property Street Address: _____

d. City: _____

e. State: _____

f. ZIP: _____

g. County: _____

h. Building Code and Edition: _____

i. Permit Number: _____

j. Date installation was completed: _____

k. ☐ **Check here to confirm that installing contractor received a full set of structural drawings for the home including the building design parameters, specification of structural member materials, sizes and spacings, and detailing of all connection requirements signed and sealed by the engineer of record (EOR) prior to construction.**

2. Framing Installation *(complete a through f)*:

***Check to confirm that the structural systems listed below have been installed in compliance with the signed and sealed* structural drawings provided by the EOR and the minimum FORTIFIED requirements listed.**

a. ☐ Roof framing members and roof sheathing or other structural roof system

b. ☐ Floor framing members and floor sheathing or other structural floor system
OR* ☐ *Check here if floor framing is not applicable for home

c. ☐ Wall framing members and wall sheathing including shear walls and wall opening framing
- ☐ Check here to confirm that framed exterior walls to are fully sheathed with 7/16" structural wood panel sheathing minimum or equivalent wall cover ***(OR ☐ check here if N/A)***
- ☐ CMU block walls are 8" (nominal) width minimum ***(OR ☐ check here if N/A)***
- ☐ At top of all CMU/concrete walls, fully grouted bond beams with continuous reinforcement including required laps at corners and intersections have been installed ***(OR ☐ check here if N/A)***
- ☐ For CMU/concrete walls, vertical reinforcement has been installed at a regular o.c. spacing and at all corners including required ties to bond beam reinforcement at top and foundation reinforcement at bottom ***(OR ☐ check here if N/A)***
- ☐ For CMU/concrete walls, lintels, and vertical cells around all wall openings (windows/doors) are fully grouted with vertical and horizontal reinforcement including ties installed ***(OR ☐ check here if N/A)***

d. ☐ Slab on grade or stem wall foundations including soil retaining walls if applicable
   ☐ Check here to confirm that reinforcement installed for stem walls/retaining walls includes vertical reinforcement at corners and in grouted cells at regular spacing ***(OR ☐ check here if N/A)***
   ☐ ***OR ☐ check here if home is not on slab on grade or stem wall foundation***

e. ☐ Elevated foundation (such as piers/pilings) including beams spanning between pilings, embedment depth of pilings if applicable and bracing/reinforcing of foundation/piling system
   ☐ I understand that unrestrained stacked masonry or stone (dry-stack foundations) are NOT permitted for FORTIFIED and confirm that I have installed adequate positive connections from the floor or wall structure to the supporting foundation.
   OR ☐ check here if home is not on elevated foundation (pilings)

f. ☐ Attached structures *(outdoor or semi-outdoor space with a solid roof that is attached to an exterior wall or the roof structure of the main building, i.e., porches, carports, walk-ways, etc.)*
   OR ☐ check here if there are no attached structures

3. Connection Installation *(complete a through c)*:

***Check to confirm that connections listed below have been installed in compliance with the signed and sealed structural* drawings provided by the EOR.**

a. Roof-to-wall connections
   Describe roof-to-wall connections:
   - □ Metal strap/tie connectors connected to both plies of double top plates with additional straps to wall studs as needed on the interior, or attached to sheathing on the exterior
   - □ Thru-bolt or screw connections with sufficient embedment to connect through both plies of the wall top plate, with additional straps to walls studs below as needed on the interior, or attached to sheathing on the exterior

   ☐ I understand that toe-nailed connections are not acceptable for FORTIFIED and did not install them.

b. Wall above-to-below connections (for multi-story homes)
   Describe wall above-to-below connections:
   - □ Exterior sheathing lapped at least width of floor system
   - □ Exterior sheathing lapped at least width of floor system and vertical metal straps
   - □ Vertical metal straps and horizontal framing plates (exterior sheathing is not lapped)
   - □ ***OR check here if home is 1-story (wall above-to-below not applicable for home)***

c. ☐ I understand that hold-downs/tension ties are required at all building corners (for all floor levels) for FORTIFIED and certify that these connections have been installed.

d. ☐ Ground wall-to-foundation (or first floor-to-beams spanning between pilings) connections
   ☐ I confirm that wall-to-foundation anchorage connections consisting of bolts (with washers and nuts), embedded straps, or anchors, with a minimum of 2 anchors per wall segment are installed at a spacing no greater than 48” O.C.

4. Attached Structures (complete a through d):

☐ **Check here if there are no attached structures (Skip to section 5)**

a. ☐ Check here to confirm that all attached structures (porches, carports, breezeways, etc..) with solid roofs that are attached to an exterior wall or to the roof structure of the main building have been installed in compliance with the signed and sealed structural drawings provided by the EOR.

b. ☐ Check here to confirm that all attached structure connections have uplift connectors installed. **(gravity only connections are NOT permitted)**

c. For **single level attached structures**:

☐ I understand nail-only connections for roof, beam, and column connections are not permitted and did not install them.

☐ I confirm roof framing is directly connected to roof beam with metal connectors.

☐ I confirm roof beam is directly connected to columns with metal connectors or a minimum of (2) bolts.

☐ I confirm columns are directly connected to foundation with metal connectors or a minimum of (2) bolts.

☐ ***OR check here if there are no single level attached structures***

d. For **multi-level attached structures** (multi-level porch with middle floor level):

☐ I understand that nail-only connections for roof, beam, and column connections are not permitted and did not install them.

☐ I confirm roof framing is directly connected to roof beams with metal connectors.

☐ I confirm roof beams are directly connected to upper-level columns with metal connectors or a minimum of (2) bolts.

☐ I confirm upper-level columns are connected directly to one of the following at their bottom:

- □ Lower-level columns with metal connectors or (2) bolts min.
- □ Middle floor structural support beams with metal connectors or (2) bolts min.

☐ I confirm middle floor beams are attached to lower-level columns/pilings/piers with metal connectors or a minimum of (2) bolts.

☐ I confirm lower-level columns are directly connected to foundation with metal connectors or a minimum of (2) bolts, or have proper embedment depth/footing specified.

☐ ***OR check here if there are no multi-level attached structures***

- Complete and sign the Certification on the next page –

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5. Certification

I 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: