



# CITY OF FULSHEAR

PO Box 279 / 30603 FM 1093

Fulshear, Texas 77441

Phone: 281-346-8860 ~ Fax: 281-346-8237

[www.fulsheartexas.gov](http://www.fulsheartexas.gov)

## 2015 International Residential Code Design for Wind Loads within the City of Fulshear

### R301.2.1.1 Wind Limitation & Wind Design Required

\*In regions where wind design is required in accordance with Figure R301.2(4)B, the design of buildings for wind loads shall be in accordance with one or more of the following methods:

1. Wood Frame Construction Manual
2. ICC Standard for Residential Construction in High Wind Regions (ICC 600)
3. ASCE Minimum Design Loads for Buildings and Other Structures (ASCE 7)
4. AISI Standard for Cold Formed Steel Framing – Prescriptive Method for One and Two Family Dwellings (AISI S230)
5. International Building Code

The City of Fulshear will be requiring design for wind loads as specific in R301.2. The plans must have the following information provided by signed and sealed by a licensed Texas Professional Engineer:

1. Code Reference
2. Ultimate Wind Speed & Exposure
3. Mean Roof Height
4. Wall bracing plans as provided by R106.1.3 which includes the following:
  - a. Bracing methods
  - b. Location & length of braced wall panels
  - c. Fastenings
  - d. Anchorage
  - e. Holddown requirements for BWPs
  - f. Include details for narrow walls (e.g., Portal Frame with Holddowns)
5. Specifications for the following:
  - a. Framing connectors
  - b. Components & cladding loads or each zone
  - c. Roof sheathing & fasteners
  - d. Roof covering
  - e. Anchorage of exterior mechanical equipment



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## 2015 International Residential Code Inspections for Wind Loads within the City of Fulshear

In order to verify that construction has met the requirements of the Wind Design as set forth in accordance with the R301.2.1.1 of the International Residential Code, the City of Fulshear will require Wind Design Compliance inspections as provided in R109.1.5 to be performed.

Prior to the City of Fulshear performing a Framing Inspection the contractor shall provide a letter from a licensed Texas Professional Engineer that is signed and sealed to the attention of the City of Fulshear, that is site specific detailing the address, subdivision, lot and block. The letter shall state that the structure located at that specific location has been inspected for compliance with the plans and specifications including:

1. Wall bracing, fastening, and anchorage
2. Framing including roof bracing
3. Framing including connectors
4. Installation of all exterior wall covering

We will accept a correct and proceed report from the Engineer at the time of Framing, if there is a correct and proceed letter then a Final approval letter will be required prior to City of Fulshear performing a Final Inspection. The contractor shall provide a letter from a licensed Texas Professional Engineer that is signed and sealed to the attention of the City of Fulshear, that is site specific detailing the address, subdivision, lot, and block. The letter shall state that the structure located at that specific location has been inspected for compliance with the plans and specifications. The City of Fulshear will inspect at time of Final Inspection the following:

1. Overhead doors
2. Final entry doors
3. Anchorage of exterior mechanical equipment