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Window/Door Form

Submittals for window, skylight, and garage door new/replacements must address and have the following documentation for permitting.

1. **Window/door design pressure (DP) ratings**
2. **The proposed type of windborne debris protection utilized with a description of the approved permanent fastener method to be utilized.**
3. **The U-factor**
4. **SHGC rating**

<u>Address</u>			<u>Protection/Fasteners-</u>
<u>U-Factor</u>	<u>SHGC</u>	<u>DP-</u>	

Residential structures must meet the 2021 International Residential Code for windows and doors or alternative methods submitted by a design professional;

- **R609.2 Performance.** Exterior windows and doors shall be capable of resisting the design wind loads specified in Table R301.2.1(1) adjusted for height and exposure in accordance with Table R301.2.1(2)
- **R609.3 Testing and labeling.** Exterior windows and sliding doors shall be tested by an *approved* independent laboratory, and bear a *label* identifying manufacturer, performance characteristics and *approved* inspection agency to indicate compliance with AAMA/WDMA/CSA 101/I.S.2/A440. Exterior side-hinged doors shall be tested and *labeled* as conforming to AAMA/WDMA/CSA 101/I.S.2/A440 or comply with Section R609.5.
- **R609.4 Garage doors.** Garage doors shall be tested in accordance with either ASTM E330 or ANSI/DASMA 108, and shall meet the pass/fail criteria of ANSI/DASMA 108.
- **R609.4.1 Garage door labeling.** Garage doors shall be labeled with a permanent label provided by the garage door manufacturer. The label shall identify the garage door manufacturer, the garage door model/series number, the positive and negative design wind pressure rating, the installation instruction drawing reference number, and the applicable test standard.
- **R609.5 Other exterior window and door assemblies.** Exterior windows and door assemblies not included within the scope of Section R609.3 or Section R609.4 shall be tested in accordance with ASTM E 330. Glass in assemblies covered by this exception shall comply with Section R308.5
- **R609.6 Wind-borne debris protection.** Protection of exterior windows and glass doors in buildings located in wind-borne debris regions shall be in accordance with Section R301.2.1.2.
- **R609.6.1 Fenestration testing and labeling.** Fenestration shall be tested by an *approved* independent laboratory, listed by an *approved* entity, and bear a *label* identifying manufacturer, performance characteristics, and *approved* inspection agency to indicate compliance with the requirements of the following specification: ASTM E 1886 and ASTM E 1996; **or** AAMA 506.

AND

Residential structures must meet the 2009 International Energy Efficiency Code for windows and doors;

- **402.3.6 Replacement fenestration.** Where some or all of an existing fenestration unit is replaced with a new fenestration product, including sash and glazing, the replacement fenestration unit shall meet the applicable requirements for *U*-factor and SHGC in Table 402.1.1.
- **Fenestration** *U*-Factor **0.50**
- **Skylight** *U*-Factor **0.65**
- **Glazed Fenestration Solar Heat Gain Coefficient(SHGC) **0.30****



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