TAMARAC
The City For Your Life

# *Affidavit and Notice to Contractors on Retro-Fit Windows*
## Effective January 1, 2018

Window Bucks shall be installed per approved NOA in the permit package.

Exception: A Florida Professional Engineer or Architect may modify the buck or fasteners as specified in a Notice of Acceptance. Such modification must be documented with a signed and sealed letter or drawing.

Because a window buck inspection is not required it is the responsibility of the contractor to make sure that the proper buck and buck fasteners are utilized, therefore the following affidavit must be submitted, signed, and notarized by the Contractor or Owner of a homeowner's permit.

Check one of the following:

☐ Existing beveled buck to be changed to a square edge buck that extends beyond the face of the window frame (anchored per NOA). **Will require photos of new buck installation for final.**

☐ Existing buck meets the requirement of extending beyond the face of the windows frame (anchored per NOA). **Provide detailed drawings – will require photos for Final.**

☐ Interior walls are constructed of plaster (not drywall). This is an acceptable alternate that will not require you to chip out the plaster and change to a wider window buck. Photos of such required at final inspection.

***Additional Note: Window frames that have snap-on type covers that hide the fasteners are to be left off until the window attachments have been inspected and approved. Mullion attachment needs inspection or you may provide photos.***

_____ _____
Contractor's Signature Print Contractor's Name

State of Florida
County of Broward Sworn to (or affirmed) and subscribed before me by means of ☐ Physical Presence or ☐ Online Notarization,

this _____ day of _____, _____, by _____
Day Month Year Name of Person Swearing or Affirming

_____
Signature of Notary Public – State of Florida

_____
Name of Notary Typed, Printed or Stamped

☐ Personally Known

☐ Produced Identification
Type of Identification Produced: _____

Place Notary Seal Stamp Above

# Broward County Fenestration Voluntary Wind Load Chart*

## Per ASCE 7-10 Method 1, Part 1 and FBC (2017) for Retrofiting in Accordance with Formal Interpretation #5

## For Detached One-and Two family dwellings and Multiple Single-Family Dwellings (Townhouses) with Mean Roof Height ≤ 30 feet

Wind 170 mph (3-second gust) / Exposure C** / Kd = 0.85 / Kzt = 1.0 / Pressures are in PSF / Not for use in Coastal (Exposure 'D' areas)

* Using Allowable Stress Design methodology (P = 0.6w) / ** Exposure shall be determined according to ASCE 7-10 Section 26.7.3 (Exposure Categories)

| Effective Wind Area ($ft^2$) | Location: Gable or Hip Roof | Mean Roof Height of 15 feet | | | | | | Mean Roof Height of 20 feet | | | | | | Mean Roof Height of 25 feet | | | | | | Mean Roof Height of 30 feet | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Zone | | | | | | Zone | | | | | | Zone | | | | | | Zone | | | | | |
| | | 1 | | 2 | | 3 | | 1 | | 2 | | 3 | | 1 | | 2 | | 3 | | 1 | | 2 | | 3 | |
| | | + | − | + | − | + | − | + | − | + | − | + | − | + | − | + | − | + | − | + | − | + | − | + | − |
| 10 | Gable/Hip Roof θ ≤ 7° (0 to 1.5:12) | 16.0 | -37.8 | 16.0 | -63.4 | 16.0 | -95.4 | 16.3 | -40.2 | 16.3 | -67.4 | 16.3 | -101.4 | 17.1 | -42.1 | 17.1 | -70.6 | 17.1 | -106.3 | 17.8 | -43.7 | 17.8 | -73.4 | 17.8 | -110.4 |
| 20 | | 16.0 | -36.8 | 16.0 | -56.7 | 16.0 | -79.1 | 16.0 | -39.1 | 16.0 | -60.2 | 16.0 | -84.0 | 16.0 | -41.0 | 16.0 | -63.1 | 16.0 | -88.0 | 16.7 | -42.6 | 16.7 | -65.6 | 16.7 | -91.5 |
| 50 | | 16.0 | -35.6 | 16.0 | -47.7 | 16.0 | -57.4 | 16.0 | -37.8 | 16.0 | -50.7 | 16.0 | -61.0 | 16.0 | -39.6 | 16.0 | -53.2 | 16.0 | -63.9 | 16.0 | -41.1 | 16.0 | -55.2 | 16.0 | -66.4 |
| 100 | | 16.0 | -34.6 | 16.0 | -41.0 | 16.0 | -41.0 | 16.0 | -36.8 | 16.0 | -43.6 | 16.0 | -43.6 | 16.0 | -38.5 | 16.0 | -45.7 | 16.0 | -45.7 | 16.0 | -40.0 | 16.0 | -47.4 | 16.0 | -47.4 |
| 10 | Gable/Hip Roof*** 7° < θ ≤ 27° (1.5 to6:12) | 21.8 | -34.6 | 21.8 | -60.2 | 21.8 | -89.0 | 23.1 | -36.8 | 23.1 | -64.0 | 23.1 | -94.6 | 24.3 | -38.5 | 24.3 | -67.1 | 24.3 | -99.2 | 25.2 | -40.0 | 25.2 | -69.7 | 25.2 | -103.0 |
| 20 | | 19.9 | -33.6 | 19.9 | -55.4 | 19.9 | -83.3 | 21.1 | -35.7 | 21.1 | -58.9 | 21.1 | -88.5 | 22.1 | -37.4 | 22.1 | -61.7 | 22.1 | -92.7 | 23.0 | -38.9 | 23.0 | -64.1 | 23.0 | -96.3 |
| 50 | | 17.3 | -32.4 | 17.3 | -49.0 | 17.3 | -75.6 | 18.4 | -34.4 | 18.4 | -52.1 | 18.4 | -80.3 | 19.3 | -36.0 | 19.3 | -54.6 | 19.3 | -84.2 | 20.0 | -37.4 | 20.0 | -56.7 | 20.0 | -87.5 |
| 100 | | 16.0 | -31.4 | 16.0 | -44.2 | 16.0 | -69.8 | 16.3 | -33.3 | 16.3 | -47.0 | 16.3 | -74.2 | 17.1 | -35.0 | 17.1 | -49.2 | 17.1 | -77.8 | 17.8 | -36.3 | 17.8 | -51.1 | 17.8 | -80.8 |
| 10 | Gable Roof 27° < θ ≤ 45° (6 to12:12) | 34.6 | -37.8 | 34.6 | -44.2 | 34.6 | -44.2 | 36.8 | -40.2 | 36.8 | -47.0 | 36.8 | -47.0 | 38.5 | -42.1 | 38.5 | -49.2 | 38.5 | -49.2 | 40.0 | -43.7 | 40.0 | -51.1 | 40.0 | -51.1 |
| 20 | | 33.6 | -35.9 | 33.6 | -42.3 | 33.6 | -42.3 | 35.7 | -38.1 | 35.7 | -44.9 | 35.7 | -44.9 | 37.4 | -39.9 | 37.4 | -47.1 | 37.4 | -47.1 | 38.9 | -41.5 | 38.9 | -48.9 | 38.9 | -48.9 |
| 50 | | 32.4 | -33.3 | 32.4 | -39.7 | 32.4 | -39.7 | 34.4 | -35.4 | 34.4 | -42.2 | 34.4 | -42.2 | 36.0 | -37.1 | 36.0 | -44.2 | 36.0 | -44.2 | 37.4 | -38.6 | 37.4 | -46.0 | 37.4 | -46.0 |
| 100 | | 31.4 | -31.4 | 31.4 | -37.8 | 31.4 | -37.8 | 33.3 | -33.3 | 33.3 | -40.2 | 33.3 | -40.2 | 35.0 | -35.0 | 35.0 | -42.1 | 35.0 | -42.1 | 36.3 | -36.3 | 36.3 | -43.7 | 36.3 | -43.7 |

*** For Hip Roofs with angle > 7 degrees (1.5:12) and ≤ 25 degrees (5.5:12), Zone 3 shall be treated as Zone 2 (Figure 30.4-2 B, Note 7, p. 337)

| Effective Wind Area ($ft^2$) | Location | Mean Roof Height of 15 feet | | | | Mean Roof Height of 20 feet | | | | Mean Roof Height of 25 feet | | | | Mean Roof Height of 30 feet | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Zone | | | | Zone | | | | Zone | | | | Zone | | | |
| | | 4 | | 5 | | 4 | | 5 | | 4 | | 5 | | 4 | | 5 | |
| | | + | − | + | − | + | − | + | − | + | − | + | − | + | − | + | − |
| 10 | Wall | 37.8 | -41.0 | 37.8 | -50.6 | 40.2 | -43.6 | 40.2 | -53.8 | 42.1 | -45.7 | 42.1 | -56.4 | 43.7 | -47.4 | 43.7 | -58.6 |
| 20 | | 36.1 | -39.3 | 36.1 | -47.2 | 38.3 | -41.7 | 38.3 | -50.1 | 40.2 | -43.8 | 40.2 | -52.6 | 41.8 | -45.5 | 41.8 | -54.6 |
| 50 | | 33.8 | -37.0 | 33.8 | -42.7 | 36.0 | -39.4 | 36.0 | -45.4 | 37.7 | -41.3 | 37.7 | -47.5 | 39.2 | -42.9 | 39.2 | -49.4 |
| 100 | | 32.1 | -35.3 | 32.1 | -39.3 | 34.1 | -37.5 | 34.1 | -41.7 | 35.8 | -39.4 | 35.8 | -43.8 | 37.2 | -40.9 | 37.2 | -45.5 |
| 500 | | 28.2 | -31.4 | 28.2 | -31.4 | 29.9 | -33.3 | 29.9 | -33.3 | 31.4 | -35.0 | 31.4 | -35.0 | 32.6 | -36.3 | 32.6 | -36.3 |

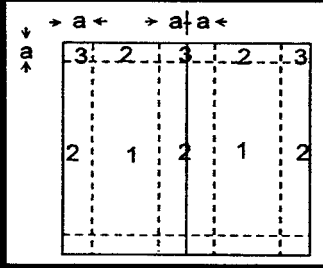
### Garage Door Wind Loads

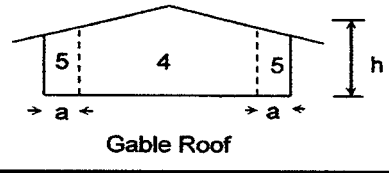
**for a Building with 30-foot Mean Roof Height**

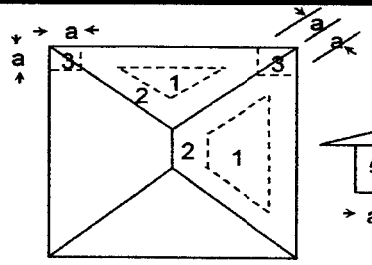
**Exposure C**

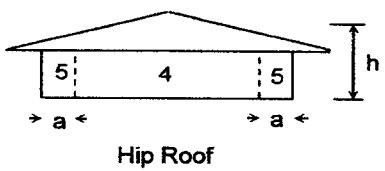
Tables 1609.7(1) & (2), and Section 1609.3.1

| Effective Wind Area | | Roof Angle | Wind Load | |
|---|---|---|---|---|
| Width | Height | | + | − |
| 8 | 8 | 0 - 10 degrees | 35.2 | -39.8 |
| 10 | 10 | | 34.1 | -38.2 |
| 14 | 14 | | 32.3 | -36.1 |
| 9 | 7 | > 10 degrees | 38.4 | -43.4 |
| 16 | 7 | | 36.8 | -41.0 |




For Effective Wind Areas between those given, values may be interpolated. Otherwise use the value associated with the lower Effective Wind Area.

End Zone (a) shall be the smaller of 10% of Least Hor. Dist. or 40% of Mean Roof Height ('h'), but not less than 4% of Least Hor. Dist. or 3 ft.

Identify the zone per the figure or information by others. Any questionable zone is to be considered the more critical zone.

Design is based on the 3-second gust (wind velocity) for Risk Category II (general residential & commercial construction) per FBC 1620.2 Broward. These tables not for use with essential facilities or assembly occupancies.

Column 1: Please indicate if the location is in Zone 4 or 5. Zone 5: window is within 5 feet of a corner. All others are Zone 4.

**BORA Policy 20-01** **BROWARD COUNTY UNIFORM RETROFIT WINDOW & DOOR SCHEDULE** PAGE____OF____

NAME:_____ SITE ADDRESS:_____ CONTACT #:_____

| 1 | 2 | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OPENING LOCATION ID | PRODUCT ACCEPTANCE NUMBER | PRODUCT APPROVAL PRESSURE RATING | | REQUIRED DESIGN PRESSURE | | OPENING SIZES | | ZONE LOCATION | | Impact Glazing | | OPENING HAS EXISTING SHUTTERS | | NEW SHUTTERS REQUIRED | | MULLION TUBES REQUIRED | |
| | | (+) PSF | (-) PSF | (+) PSF | (-) PSF | WIDTH X HEIGHT IN INCHES | AREA IN SQ FEET | 4 INTER | 5 END | YES | NO | YES | NO | YES | NO | YES | NO |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
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| | | | | | | X | | | | | | | | | | | |

IDENTIFY OPENINGS ALPHABETICALLY OR NUMERICALLY ON ELEVATION SHEETS.

IDENTIFY VERTICALLY STACKED GLASS IN THE SAME OPENINGS FROM BOTTOM TO TOP WITH SUB NUMBERS (Example: A, A1, A2, ETC.).