BROWARD COUNTY

# Board of Rules & Appeals

1 North University Drive, Suite 3500B, Plantation, Florida 33324

**To:** Members of the Broward County Board of Rules and Appeals.
**From:** Michael Guerasio, Chief Structural Code Compliance Officer.
Ted Fowler, Chief Structural Code Compliance Officer.
**Date:** January 9th, 2020.
**Re:** The Board to consider adopting policy 20-01, in reference to retrofit window & door replacements. To be in effect, mandatory, on July 1st, 2020.

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## RECOMMENDATION:

It is recommended that the Broward County Board of Rules and Appeals consider and approve by vote, policy 20-01 "Broward County Uniform Retrofit Window & Door Schedule" to be in effect, mandatory, on July 1st, 2020. An informational packet was developed which includes application instructions and the Broward County Uniform Retrofit Window & Door Schedule to be utilized throughout Broward County.

## REASONS:

At the June 13th, 2019 Board of Rules and Appeals regular meeting, Mr. David Rosenof, President of Big Dog Construction Services Inc, representing the Broward League of Cities suggested the possibilities of developing a uniform schedule for retrofit window & door replacements. After discussion, the Board directed the structural committee to meet and present recommendations to this request. On August 13th, 2019 the structural committee met to discuss and present recommendations to the Board whether a uniform schedule should be developed. The committee discussed this item and directed staff to develop the document and present it to the Board with no further structural committee meetings necessary by a unanimous vote. Attached you will find the new proposed retrofit window & door informational packet, including instructions and a uniform retrofit window & door schedule to be utilized throughout Broward County.

## ADDITIONAL INFORMATION

By approving this packet and uniform schedule, it will provide uniformity in obtaining a permit to change out window and door openings throughout Broward County. It will also provide the property owners and contractors, guidance as to what information, at a minimum, is required to be submitted to the building department to obtain a permit to change out these fenestrations.

Respectfully submitted,

Michael Guerasio, Chief Structural Code Compliance Officer.

Ted Fowler, Chief Structural Code Compliance Officer

**Board of Rules & Appeals Policy 20-01** **Effective July 1, 2020**

**Subject:** "Broward County Uniform Retrofit Window & Door Schedule"

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## POLICY

Each permit application for a window and door replacement "retrofit", shall be submitted to all jurisdictions in Broward County using the attached *"Broward County Uniform Retrofit Window & Door Schedule"*

This form does not relieve the permit holder, building owner or contractor from complying with all and any applicable local regulations or ordinances related to zoning, building, fire prevention, etc.; or prohibits a Broward County jurisdiction from requiring additional information to be provided in relation to applicable local regulations or ordinances related to zoning, building, fire prevention, etc.

Use of the *"Broward County Uniform Retrofit Window & Door Schedule"*
is mandatory countywide starting July 1, 2020.

Uniform Retrofit Window & Door Schedule attached.

## INSTRUCTION FLOWCHART

IS THE MEAN ROOF HEIGHT OF THE BUILDING GREATER THAN 30'ft ABOVE GRADE?

- NO → IS THE BUILDING A ONE & TWO FAMILY / MULTI FAMILY DWELLING (TOWNHOUSE?)
  - YES → USE BROWARD COUNTY FENESTRATION VOLUNTARY WIND LOAD CHART
  - NO → SITE SPECIFIC ENGINEERING REQUIRED
- YES → SITE SPECIFIC ENGINEERING REQUIRED

COMPLETE AND SUBMIT WINDOW, DOOR & MULLION TUBE SCHEDULE PROVIDED IN THIS PACKET

**SUBMIT VALID PRODUCT APPROVALS:** FLORIDA (FL) OR MIAMI DADE COUNTY (NOA) WITH OPENING SIZES, GLAZING TYPES, AND CORRESPONDING PRESSURES HIGHLIGHTED

**SUBMIT THE FOLLOWING FORMS:**

1. **Mandatory:** Broward County Uniform Building Permit Application (included in packet)
   https://www.broward.org/CodeAppeals/Documents/FBC5thEdition/UniformPermitApplicationBORA.pdf
2. **If over $2,500 Project Cost:** Notice Of Commencement
   https://www.broward.org/RecordsTaxesTreasury/Records/Pages/NoticeofCommencement.aspx
3. **If owner-builder:** Owner-Builder's Affidavit (contact your local building department to obtain) and if applicable, copy of Recorded Warranty Deed

ARE THERE ALTERATIONS BEING MADE TO THE OPENING SIZES?

- YES → A LICENSED ENGINEER MUST PREPARE SEALED SITE SPECIFIC ALTERATION PLANS
- NO → OK TO SUBMIT!

## DESIGN CRITERIA REQUIREMENTS FOR PLANS

1. Unit sketch, generally to scale illustrating the unit and overall building (if multi-family).
2. Broward requires ASCE 7 calculations using Peak wind velocity Vult(min) = 170mph
3. Either Exposure C (inland) or D (coastal - see description next page)
4. Mean (average) Roof height (see page 3)
5. Overall Building Width & Length (lessor dimension is used to determine width of zone 5)
6. Label each opening dimensions, wind zone (4 or 5) on the layout as shown in example on page 3
7. Each opening shall have a corresponding "mark" which ties into the window, door & mullion schedule provided within this packet

OK TO SUBMIT!

# SITE SPECIFIC LAYOUT GUIDE INSTRUCTIONS - PAGE 2 of 3

## Explanation of Terms

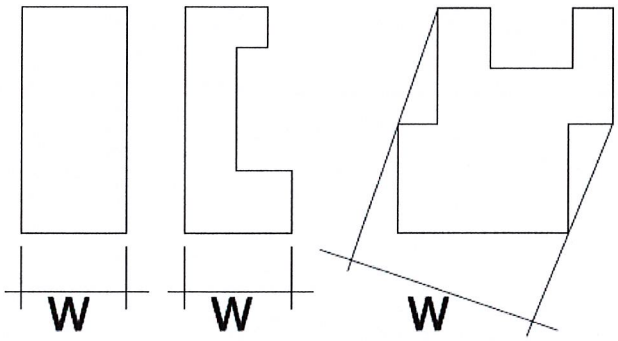
1: **Exposure C:** All of Broward County. The "Broward County Fenestration Voluntary Wind Load Chart" included within this packet can be used for all detached one & two story dwellings and multiple single-family dwellings (townhomes).

2: **Exposure D:** A structure that's within 600' or 20X building height of a flat area/body of water that's a mile long. Generally all areas east of the Intercoastal Waterway. Wind load pressures must be completed by a licensed design professional for all structures.

3: **Mean Roof Height ("h")**: Average between the lowest and the highest roof point of a sloped roof, also the highest point of a flat roof (also see page 3).

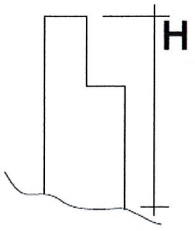
4: **Minimum Building Width**: 10% of least horizontal dimension (W) or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3'ft minimum.

**MIN. BUILDING WIDTH EXAMPLES (PLAN VIEW):**

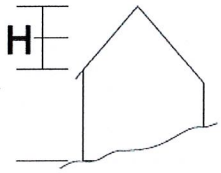



**Mean Roof Height**

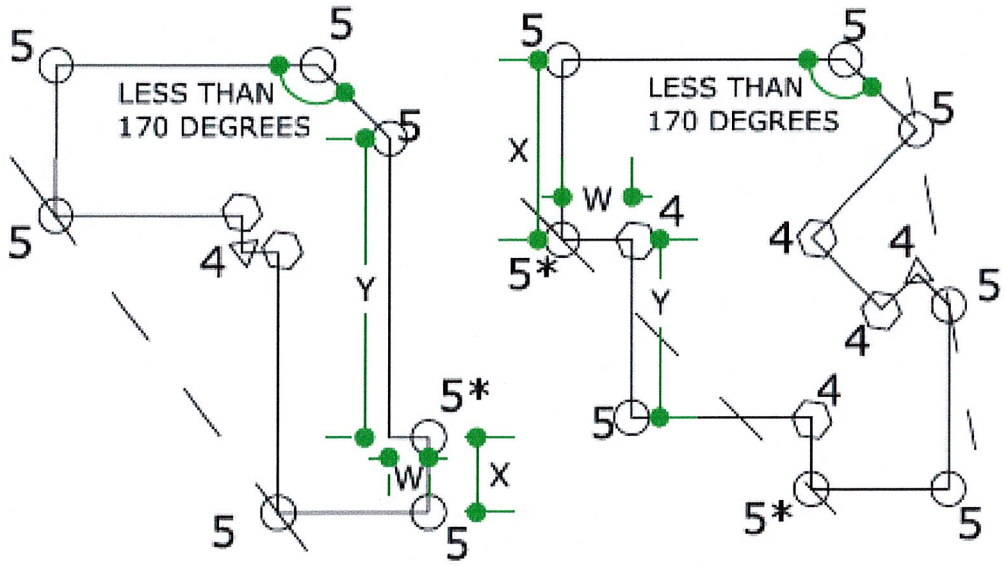
**2: FLAT ROOF**




**2: SLOPED ROOF**




**ZONE EXAMPLES (PLAN VIEW)**



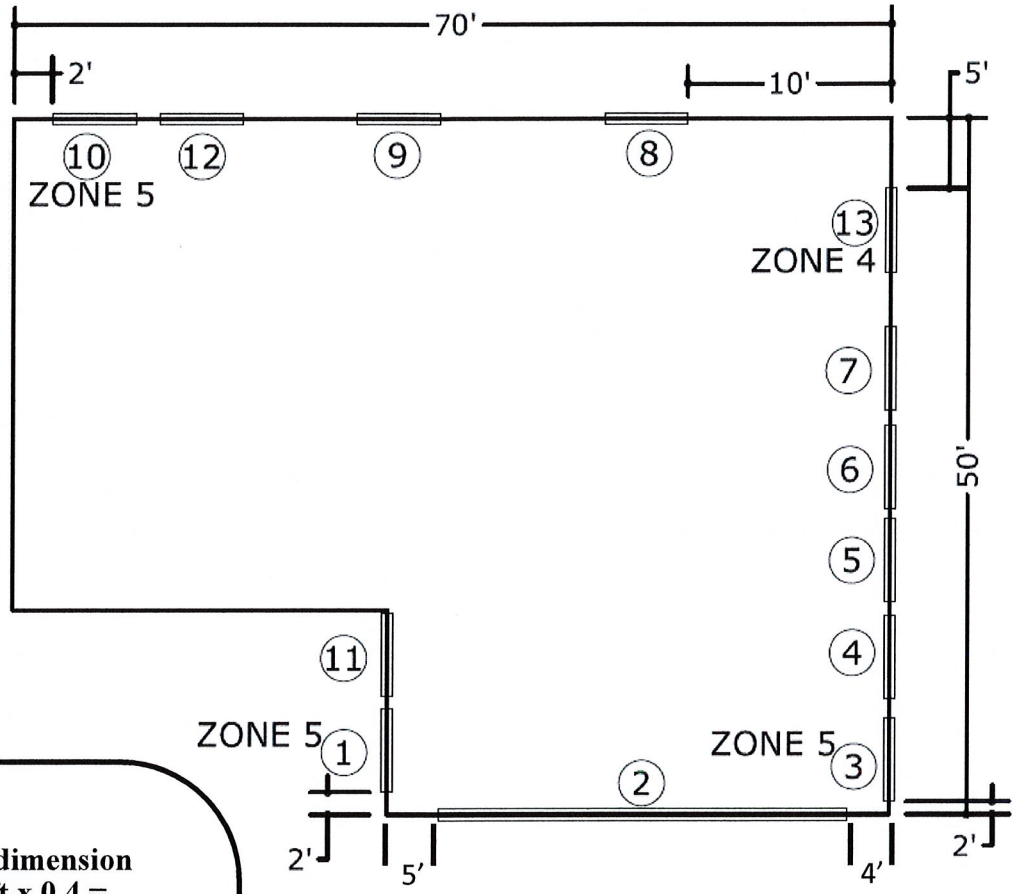

NOTE: The corner designated by an * would not be considered a corner if dimension **W** is less than half the width of the corner zone and dimension **X** and **Y** are greater than the width of a corner zone

**170 degree:** An unobstructed exterior corner with an interior angle of less than 170 degree would be considered a corner zone

See page 3 for example on how to calculate the zone dimensions of a building

# SITE SPECIFIC LAYOUT GUIDE INSTRUCTIONS 

Minimum Sketch Requirement



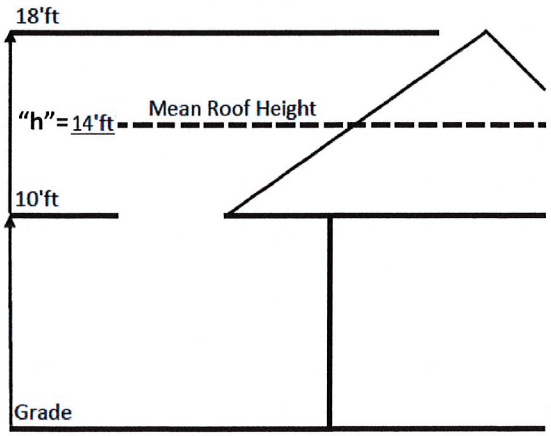

**Zone determinations:**

1. Zone 5 (corner zone) in this example is calculated as 5'ft in width, any opening within 5'ft of an outside unobstructed corner would be considered in zone 5.
2. In this example, openings 1, 2, 3 & 10 are located in a zone 5 (corner zone).
3. All other opening would be considered zone 4 (interior zone).

**ZONE CALCULATIONS:**
**Zone 5 = .10 x least horizontal dimension (50ft x .10 = 5ft) or .4 x"h" (14ft x 0.4 = 5.6ft) whichever is smaller, but not less than either 4% of the least horizontal dimension (50ft x 4% = 2ft), or 3ft.**

**Zone 5 (corner zone) would be 5'ft wide.**

**All others would be zone 4.**




**Next Steps:**

- Complete Window & Door Schedule included within this packet
- Submit all forms to your local building department according to their instructions.
- The local building department may require additional documentation

# BROWARD COUNTY UNIFORM BUILDING PERMIT APPLICATION

**Select One Trade:** ☐ **Building** ☐ **Electrical** ☐ **Plumbing** ☐ **Mechanical** ☐ **Other** _____

Application Number: Application Date:

**1**

| | | | | | |
|---|---|---|---|---|---|
| Job Address: | | | Unit: | City: | |
| Tax Folio No.: | Flood Zn: | BFE: | Floor Area: | Job Value: | |
| Building Use: | | Construction Type: | | Occupancy Group: | |
| Present Use: | | Proposed Used: | | | |
| Description of Work: | | | | | |
| ☐ New ☐ Addition ☐ Repair ☐ Alteration ☐ Demolition ☐ Revision ☐ Other: | | | | | |
| Legal Description: | | | | | ☐ Attachment |

**2**

| | | | |
|---|---|---|---|
| Property Owner: | Phone: | Email: | |
| Owner's Address: | City: | State: | Zip: |

**3**

| | | | |
|---|---|---|---|
| Contracting Co.: | Phone: | Email: | |
| Company Address: | City: | State: | Zip: |
| Qualifier's Name: | Owner-Builder: ☐ | License Number: | |

**4**

| | | | |
|---|---|---|---|
| Architect/Engineer's Name: | Phone: | Email: | |
| Architect/Engineer's Address: | City: | State: | Zip: |
| Bonding Company: | | | |
| Bonding Company Address: | City: | State: | Zip: |
| Fee Simple Titleholder's name (if other than owner): | | | |
| Fee Simple Titleholder's Address (If other than owner): | City: | State: | Zip: |
| Mortgage Lender's Name: | | | |
| Mortgage Lender's Address: | City: | State: | Zip: |

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc.

**OWNER'S AFFIDAVIT:** I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

**WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

X_____
Signature of Property Owner or Agent

**STATE OF FLORIDA**
**COUNTY OF BROWARD**

Sworn to (or affirmed) and subscribed before me this_____ day of _____, 20_____ by

_____
(Type / Print Property Owner or Agent Name)

_____
**NOTARY'S SIGNATURE** as to Owner or Agent's Signature

Notary Name _____
(Print, Type or Stamp Notary's Name)

Personally Known _____ or Produced Identification _____

Type of Identification Produced _____

X_____
Signature of Qualifier

**STATE OF FLORIDA**
**COUNTY OF BROWARD**

Sworn to (or affirmed) and subscribed before me this_____ day of _____, 20_____ by

_____
(Type / Print Qualifier's Name)

_____
**NOTARY'S SIGNATURE** as to Qualifier's Signature

Notary Name _____
(Print, Type or Stamp Notary's Name)

Personally Known _____ or Produced Identification _____

Type of Identification Produced _____

APPROVED BY: _____ Permit Officer Issue Date: _____ Code in Effect: _____

**A jurisdiction may use a supplemental page requesting additional information and citing other conditions, please inquire.**

Note: If any development work as described in FS 380.04 Sec. 2 a-g is to be performed, a development permit must be obtained prior to the issuance of a building permit.

**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 | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | X | | | | | | | | | | | |
| | | | | | | 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.).

One North University Drive
Suite 3500-B
Plantation, Florida 33324
Phone: 954-765-4500
Fax: 954-765-4504
www.broward.org/codeappeals



# BROWARD COUNTY
# BOARD OF RULES AND APPEALS

## FBC 6th Edition (2017)
## FORMAL INTERPRETATION (#5)

**DATE:** **October 12, 2017**

**TO:** **All Building Officials**

**FROM:** **James DiPietro, Administrative Director**

**SUBJECT:** **Retrofit of Windows, Doors, Garage Doors, Shutters and Skylights**
**FBC Existing Building, Alteration Level I**

At its meeting of October 12th, 2017 the Board approved an interpretation of Retrofit of Windows, Doors, Garage Doors, Shutters and Skylights, for detached one and two family dwellings, and multiple single family dwellings, (townhouses) with common roof height < 30 feet.

1. 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.

2. To obtain the required design pressure for a specific opening at a specific site, an individual must utilize one of the following and submit documentation as indicated.

a) A site-specific plan (signed and sealed) by a Florida Professional Engineer or Architect, indicating the location of all retro openings and the required design pressures.

b) A site-specific plan (not sealed) indicating the location of all retro openings accompanied by a worst case design pressure chart (signed and sealed) prepared by a Florida P.E. or Architect.

c) A site-specific plan (not sealed) indicating the location of all openings and indicating the required design pressures based on the Broward County Fenestration Voluntary Wind Load Chart. (see attached chart).

3. Buildings with a (height) > 30 feet or more shall have a site-specific design (signed and sealed) by a Florida Professional Engineer or Architect, indicating the location of all retro openings and the required design pressures for each opening.

NOTE: Generic charts, graphs alone, etc. are not acceptable for buildings above 30 feet.

| | |
|---|---|
| ORIGINAL DATE: | September 12, 2012 |
| RE-ISSUED: | October 12, 2017 |
| EFFECTIVE DATE: | January 1, 2018 |

******PLEASE POST AT YOUR PERMIT COUNTER*******

# 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 |

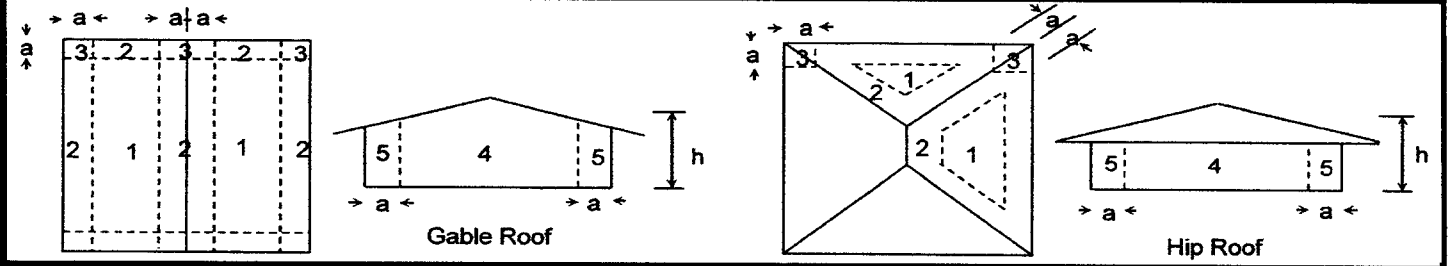
### Garage Door Wind Loads

**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.