



Miami Shores Village - BUILDING DEPARTMENT
10050 NE 2 Ave Miami Shores, FL 33138
305-795-2204 www.msvfl.gov

Windows / Doors / Shutter Checklist

Permit application must be accompanied by:

- Two (2) copies of drawing of the building, showing location of the windows, doors and shutters to be replaces.
- Two (2) copies of the Comparison Chart, with all the required information. (NOA approval number, size of each opening, (width and height), opening design pressures, and design pressures for each component taken from the individual NOA, “Notice of Acceptance”)
- Two (2) copies of State of Florida or Miami Dade County approved NOA for each different components being installed. (Windows, Doors, Mullions, Fixed Glass, shutter)
- Copy of Miami-Dade County BORA Approved wind load chart, or generic wind pressure calculations or site specific calculations signed and sealed by Florida Licensed Engineer.
- Every bedroom shall have at least 1 egress opening. The minimum opening size: (20” wide x 24” high)
- If Owner is doing the work, include the Owner Builder Disclosure.
- Require inspections: Buck (if greater than 1x), Framing and Final.

THE ABOVE REQUIREMENTS ARE FOR EXACT RETRO-FIT ONLY ON SINGLE FAMILY HOMES OR TOWN HOUSES WITH A MEAN ROOF HEIGHT OF 30 FEET OR LESS IN EXPOSURE ZONE “C”.
WINDOWS, DOORS AND SHUTTERS MUST BE INSTALLED AS PER PRODUCT APPROVAL.
GROUT OR HYDRAULIC CEMENT ARE NOT ALLOWED AS INFILL ON THE PERIMETER OF THE WINDOWS OR DOORS UNLESS SPECIFIED ON THE PRODUCT APPROVAL.



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Inspection requirements for:
Windows, Doors, Skylights or Fixed Glass (cladding) Permits

Upon issuance of permits for the scope of work involving the removal, changing and/or replacement of any type of windows, doors, sidelites, skylights or fixed glass (cladding) the permit holder or qualifier bearing his signature on the permit application shall abide by the requirements of this department and comply with the following statement:

Upon obtaining window and/or door permits for the installation of same, it is the responsibility of the permit holder to request window/door framing in-progress inspection, prior to concealment of any horizontal or vertical clip mullion, bucks, shims, etc. Inspector will also verify anchor type, edge distance, embedment and spacing. The purpose for this inspection is for the verification of conformance with Product Approval (NOA).

Acknowledgement:

Qualifier/Owner Signature

Date

Print Name

For Forms and Applications click here:

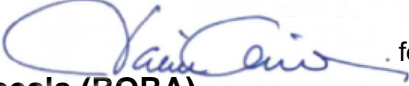
<http://bldg.miamishoresvillage.com/WebLink/Browse.aspx?id=118080&dbid=0&repo=MiamiShoresVillage>



Department of Regulatory and Economic Resources
Board Administration Section
11805 S.W. 26 Street (Coral Way) Rm. 230
Miami, Florida 33175
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MEMO

TO: All Building Officials in Miami-Dade County

FROM: Secretary of the Board  for
Board of Rules and Appeals (BORA)

DATE: January 22nd, 2021

SUBJECT: BORA Interpretation
Wind Load Table for Openings in Walls -
One- and Two-Family Detached and Multiple Single-Family Dwellings
with Mean Roof Height of 30 Feet or Less

At their meeting of January 21, 2021, the Board of Rules and Appeals (BORA) considered an interpretation of the Code to provide guidance on wind pressures to be used in the replacement of windows, doors and overhead sectional (garage) doors, to include French doors, solid doors, and sliding glass doors, in one- and two-family detached dwellings and multiple single-family dwellings (townhouses) with a mean roof height of 30 feet or less.

The interpretation was sought in order to make such replacements easier for homeowners and contractors to meet the minimum requirements of the Code.

Upon discussion, the Board agreed and interpreted that "***The attached Miami-Dade County Wind Load Chart for Openings meets the minimum requirements of the Code and can be used throughout Miami-Dade County.***" The values contained in the attached reference document were determined to be in accordance with ASCE 7-16 Chapter 30 and 2020 FBC sections 1620.2 and 1620.3. (175 mph (3-second gust) /Exposure C).

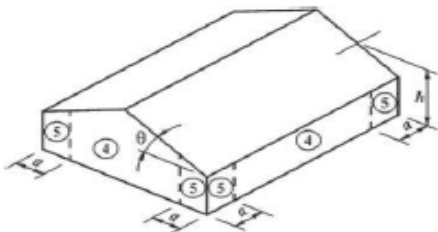
If you have any additional questions on this matter, please contact Jeanne (Lundy) Clarke, Senior Code Officer at (786) 315- 2057 or via email at Jeanne.Clarke@miamidade.gov.

Miami-Dade County Wind Load Chart for Openings

Based on ASCE 7-16 for Detached One- and Two-Family Dwellings and Multiple Single-Family Dwellings (Townhouses) with a mean roof height <- 30 feet
175 mph (3-second gust) / Exposure C/ $K_d=.85$, / Pressures in PSF / ASD

These tables are to be used only for one- and two-family detached dwellings and multiple single-family dwellings (townhouses) with a mean roof height of 30 feet or less. They are to be used for replacement windows. These tables can be used for French doors, sliding glass doors, solid doors, and for sectional (overhead) garage doors. They may not be used for roll-up doors due to catenary forces acting on the supports that must be checked.

The pressures are provided in pounds per square foot (psf) for allowable stress design (ASD). A positive (+) pressure acts towards the structure; negative pressure (-) acts away from the structure (suction).



The width of zone 5 is the 'a' distance; it is either 10% of the least horizontal dimension of the structure - or - 0.4 times the mean roof height, but not less than 4% of the least horizontal distance -or- 3 feet. It is measured from the corner of the structure. Note that 3-feet is not the default value, it is the minimum width.

To determine the least horizontal dimension, inscribe a box around the entire structure and use the smallest dimension of the resulting rectangle.

Windows

The effective wind area of a window is based on the size of a single pane of glass. Likewise, a sliding glass door or French door would use the size of one of the leaves, not the size of the opening.

Garage Doors

The wind area of a sectional door is based on the size of a single panel, usually no more than 24" deep, and the width of the door.

Dual Pressure Zones

A common placement for a garage door is near a corner of a residence, which would put a portion of the door in zone 5, leaving the remainder in zone 4. You can select the door based on the zone 5 pressure, or you may use a weighted average. For example, if you have a 10-ft wide door and 2-ft are in zone 5, the zone 5 suction is -50 and the zone 4 suction is -42: $((2 \times 50) + (10-2) \times 42) / 10 = (100 + 336) / 10 = 436 / 10 = -43.6$ psf. (Round up to -44 psf)

If a window is placed in zone 4 and zone 5, use the zone 5 pressure.

| A _{eff} (ft ²) | 15 ft Mean Roof Height | | | | 20 ft Mean Roof Height | | | | 25 ft Mean Roof height | | | | 30 ft Mean Roof Height | | | |
|--|------------------------|----|--------|----|------------------------|----|--------|----|------------------------|----|--------|----|------------------------|----|--------|----|
| | Zone 4 | | Zone 5 | | Zone 4 | | Zone 5 | | Zone 4 | | Zone 5 | | Zone 4 | | Zone 5 | |
| | + | - | + | - | + | - | + | - | + | - | + | - | + | - | + | - |
| 10 | 40 | 43 | 40 | 54 | 43 | 46 | 43 | 57 | 45 | 48 | 45 | 60 | 46 | 50 | 46 | 62 |
| 20 | 38 | 42 | 38 | 50 | 41 | 44 | 41 | 53 | 43 | 46 | 43 | 56 | 44 | 48 | 44 | 58 |
| 50 | 36 | 39 | 36 | 45 | 38 | 42 | 38 | 48 | 40 | 44 | 40 | 50 | 42 | 45 | 42 | 52 |
| 100 | 34 | 37 | 34 | 42 | 36 | 40 | 36 | 44 | 38 | 42 | 38 | 46 | 39 | 43 | 39 | 48 |
| 500 | 30 | 33 | 30 | 33 | 32 | 35 | 32 | 35 | 33 | 37 | 33 | 37 | 35 | 38 | 35 | 38 |