



June 16, 2008

MEMORANDUM

BULLETIN G-09-08

To: All Permit Applicants

From: Thomas H. Goldsbury, P.E., C.B.O., LEED AP
Chief, Building Inspection Division

Subject: **Worksheet for Window and Door Replacement Permits**

The attachment to this email is a worksheet to assist you with submitting permits for replacement of windows and doors. You can obtain a copy of this worksheet on our web site under "Download Forms". <http://www.coj.net/Departments/Planning+and+Development/Building+Inspection/default.htm>

The first page of the worksheet is formatted like the "spec 4" tab in our on-line permitting system. If you wish, you can fill in the information on the worksheet by hand and then transfer it to the computer. If you don't have a computer, this document **MUST** be completed by you and submitted to our permit assistants at the Building Counter to input the information for you prior to your seeing a small projects plans examiner.

The second page of the worksheet contains design pressure information from the building code that is required on the "spec 4" tab for all window and door replacement permits. We have also attached a sample worksheet that has been partially completed to demonstrate how to find design pressures for a typical 3'-0" x 5'-0" replacement window.

Address: _____ Permit No.: B / ____ / _____ Wind speed: _____ mph

Exposure category*: _____ (see below) Protection required: ____ yes ____ no

WINDOWS AND EXTERIOR DOORS						
NUMBER OF UNITS	AREA IN SQ. FT.	MANUFACTURER	MODEL NUMBER	END ZONE PRESSURE	INTERIOR ZONE PRESSURE	PRODUCT APPROVAL NUMBER**

WINDOW AND DOOR OPENING PROTECTION					
NUMBER OF UNITS	AREA IN SQ. FT.	MANUFACTURER	MODEL NUMBER	TYPE OF PROTECTION	PRODUCT APPROVAL NUMBER**

GARAGE DOORS					
NUMBER OF UNITS	AREA IN SQ. FT.	MANUFACTURER	MODEL NUMBER	DESIGN PRESSURE	PRODUCT APPROVAL NUMBER**

See Bulletins G-09-07 and G-05-07 for additional information.

* Exposure category (R301.2.1.4): B = single family dwelling in urban or suburban area not meeting another type of exposure, C = flat open terrain from 600 ft. up to less than 1 mile, D = flat unobstructed for 1 mile or greater.

** Information on Florida product approval numbers may be obtained at: <http://www.floridabuilding.org>.

Address: 123 Any St Permit No.: B / 08 / 99999 Wind speed: 119 mph

Exposure category*: B (see below) Protection required: yes X no

WINDOWS AND EXTERIOR DOORS						
NUMBER OF UNITS	AREA IN SQ. FT.	MANUFACTURER	MODEL NUMBER	END ZONE PRESSURE	INTERIOR ZONE PRESSURE	PRODUCT APPROVAL NUMBER**
1	15	ABC Window Company	ABC 1200	25.9/-34.7	25.9/-28.1	9876.5

WINDOW AND DOOR OPENING PROTECTION					
NUMBER OF UNITS	AREA IN SQ. FT.	MANUFACTURER	MODEL NUMBER	TYPE OF PROTECTION	PRODUCT APPROVAL NUMBER**

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NUMBER OF UNITS	AREA IN SQ. FT.	MANUFACTURER	MODEL NUMBER	DESIGN PRESSURE	PRODUCT APPROVAL NUMBER**

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DEPARTMENT OF PLANNING AND DEVELOPMENT



GARAGE DOOR LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B									
ROOF ANGLE > 10 DEGREES (slope 2:12 or >)		BASIC WIND SPEED (mph 3 second gust)							
WIDTH IN FEET	HEIGHT IN FEET	105		110		115		120	
9	7	17.4	-19.7	19.1	-21.6	20.9	-23.7	22.8	-25.8
16	7	16.7	-18.6	18.3	-20.4	20.0	-22.3	21.8	-24.3

COMPONENT & CLADDING LOADS FOR BUILDING WITH A MEAN ROOF HEIGHT (MRH) OF 30 FT. IN EXPOSURE B									
ZONE	EFFECTIVE WIND AREA IN SQ. FT.	BASIC WIND SPEED (mph 3-second gust)							
		105		110		115		120	
END	10	19.8	-26.6	21.8	-29.1	23.9	-31.9	25.9	-34.7
END	20	18.9	-24.8	20.8	-27.2	22.8	-29.8	24.7	-32.4
END	50	17.8	-22.4	19.5	-24.6	21.4	-27.0	23.2	-29.3
END	100	16.9	-20.6	18.5	-22.6	20.3	-24.8	22.0	-26.9
INTERIOR	10	19.8	-21.5	21.8	-23.6	23.9	-25.9	25.9	-28.1
INTERIOR	20	18.9	-20.6	20.8	-22.6	22.8	-24.8	24.7	-26.9
INTERIOR	50	17.8	-19.4	19.5	-21.3	21.4	-23.4	23.2	-25.4
INTERIOR	100	16.9	-18.5	18.5	-20.4	20.3	-22.3	22.0	-24.2

HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENTS			
MEAN ROOF HEIGHT (SEE NOTE)	EXPOSURE CATEGORY*		
	B	C	D
15	1.00	1.21	1.47
20	1.00	1.29	1.55

NOTE: Mean Roof Height (MRH) is the vertical distance from the average grade to the average roof height which is

25	1.00	1.35	1.61
30	1.00	1.40	1.66
35	1.05	1.45	1.70
40	1.09	1.49	1.74
45	1.12	1.53	1.78
50	1.16	1.56	1.81

measured from the top of the wall plate
to the top of the ridge.