

GLASS WINDOWS & DOORS

Please submit/upload plans in PDF format

Applicant must submit the following items:

Please indicate items submitted with a checkmark (√)

Create online as Permit Type: Building (R) Workclass: Windows, Doors, Garage Door

1. Permit application (check appropriate trade) completed and signed _____
2. Plans with name and address of designer _____
 - a. New window or door opening _____
 1. Floor plan with location and sizes of new openings _____
 2. Typical wall section _____
 3. Beam or header sizes over new openings _____
 4. Bedroom emergency egress windows located _____
 5. Emergency egress window size given per FBC 2017 6th Edition, Section 1029; FBC 2017 6th Edition Residential 310 and FBC 2017 6th Edition Existing 604 _____
 6. Location of electrical outlets and lights if installing new doors. _____
 7. Elevation view of exterior walls with new doors or windows _____
 8. Product Approvals _____
 - a. Miami-Dade product approval report with referenced engineered plans. _____
 - b. State of Florida/DCA product approval with Engineered plans _____
 - c. Engineer's signed/sealed plans and calculations for custom design. _____
 - b. Replacing window or doors with same size material _____
 1. Floor plan with location and sizes to be replaced _____
 2. Bedroom emergency egress windows located _____
 3. Emergency egress window size given per FBC 2017 6th Edition, Section 1029; FBC Residential 310 and FBC 2017 6th Edition Existing 604 _____
 4. Product Approvals (one of the following) _____
 - a. Miami-Dade product approval report with referenced engineered plans _____
 - b. State of Florida/DCA product approval with . Engineered plans _____
 - c. Engineer's signed/sealed plans and calculations for custom design. _____
3. Signed contract and copy of property appraisers structural valuation or other evidence of structure value _____
4. All project specific details must be identified on engineered plans including construction details of host structure, type and thickness of glazing, design pressures, anchor details, type of fasteners, etc. _____
5. Mean roof height of building, exposure category, zones and required design pressures _____

IF THE BUILDING IS LOCATED IN THE SEA TURTLE PROTECTION ZONE (600 FT FROM THE BEACH), THEN "TURTLE GLASS" WILL BE REQUIRED.

IN-PROGRESS INSPECTION IS REQUIRED FOR ALL WINDOW & DOOR INSTALLATIONS IN EXISTING BUILDINGS

IF RESIDENT LIVES IN A DEED RESTRICTED COMMUNITY, OBTAIN HOMEOWNERS ASSOCIATION APPROVAL PRIOR TO COMMENCING WORK.

TOWN OF JUPITER BUILDING DEPARTMENT

FIELD INSPECTION SERVICES

IN-PROGRESS DOOR AND WINDOW INSPECTION

Revision 3: Update to the Florida Building Code

The purpose of this inspection is to insure the proper installation of window and door bucks, shims and anchors, as specified in the product approval and the Florida Building Code as written below.

The text written in Italics is the commentary provided by the Town of Jupiter.

FBC-R609.7.2 Masonry, concrete or other structural substrate.

Where the wood shim or buck thickness is less than 1½ inches (38 mm), window and door assemblies shall be anchored through the main frame or by jamb clip or sub frame system, in accordance with the manufacturers published installation instructions. Anchors shall be securely fastened directly into the masonry, concrete or other structural substrate material.

When the thickness of the buck or shim is less than 1 ½ inches, anchors shall be installed directly through the window/door frame, through the shims and buck, and into the masonry structure.

Unless otherwise tested, bucks shall extend beyond the interior face of the window or door frame such that full support of the frame is provided.

The buck shall be installed as displayed in the window/door Notice of Acceptance (NOA). If the existing buck fails to match the exact requirements as pictured in the NOA, then the existing buck shall be removed and a new buck installed in accordance with the NOA. It is not permissible to piece in additional wood in order to extend the width of the existing buck.

Shims shall be made from materials capable of sustaining applicable loads, located and applied in a thickness capable of sustaining applicable loads.

Wood, plastic, and metal are considered to be suitable shim materials.

Anchors shall be provided to transfer load from the window or door frame to the rough opening substrate.

The type of anchor and the penetration depth is specified in the product approval and the manufacturer's installation instructions, which needs to be on site during installation and inspection.

Where the wood buck thickness is 1½ inches (38 mm) or greater, the buck shall be securely fastened to transfer load to the masonry, concrete or other structural substrate and the buck shall extend beyond the interior face of the window or door frame.

Where the thickness of the buck is 1 1/2 inches or more, the buck shall be anchored to the masonry structure first.

The means and method of the buck-to-structure attachment shall be detailed in a signed and sealed engineered drawing that has been submitted with the plans and product approval at the time of permit application.

After the window/door buck is installed, the window or door is then shimmed and anchored to the buck with anchors approved for the purpose.

Window and door assemblies shall be anchored through the main frame or by jamb clip or sub frame system or through the flange to the secured wood buck in accordance with the manufacturers published installation instructions. Unless otherwise tested, bucks shall extend beyond the interior face of the window or door frame such that full support of the frame is provided. Shims shall be made from materials capable of sustaining applicable loads, located and applied in a thickness capable of sustaining applicable loads. Anchors shall be provided to transfer load from the window or door frame assembly to the secured wood buck.

FBC-R609.7.2 Mullions occurring between individual window and glass door assemblies.

All mullions have been engineered and tested to comply with specific performance criteria. It is not permissible to cut, notch, drill, alter, modify, or in any way change the mullion or the mullion mounting brackets.

If you have any questions please contact Tim Lynch 561-741-2286

WINDOW/DOOR IN PROGRESS INSPECTION IS REQUIRED, (INSPECTION CONNECTION #157) CALL 561-741-2286 MORNING OF THE INSPECTION.



Town of Jupiter

BUILDING DEPARTMENT

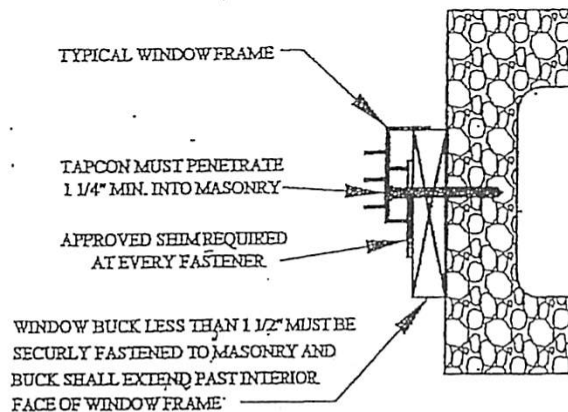
561-741-2286

ATTENTION OWNERS / CONTRATORS WINDOW & DOOR INSTALLERS

UNLESS OTHERWISE TESTED

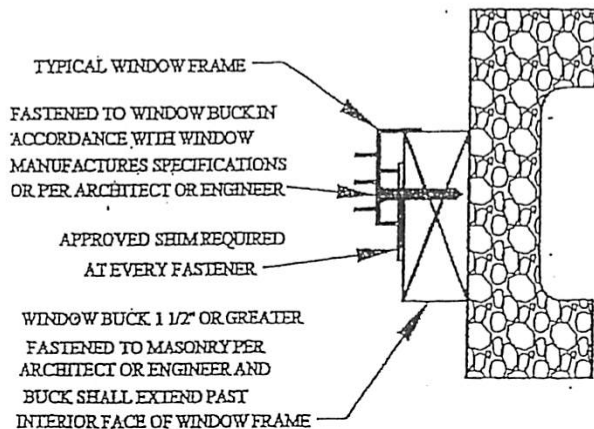
WINDOW BUCK INSTALLATION FOR RESIDENTIAL WINDOWS IN ACCORDANCE WITH FLORIDA BUILDING CODE RESIDENTIAL 609.7.2

Masonry, Concrete or Other Structural
Substrate



BUCK LESS THAN 1 1/2"

Where the wood shim or buck thickness is less than 1 1/2 inches, window and door assemblies shall be anchored through the main frame or by jamb clip or subframe system, in accordance with the manufactures published installation instructions Anchors shall be securely fastened directly into the masonry, concrete or other structural substrate material. Unless otherwise tested, bucks shall extend beyond the interior face of the window or door frame such that full support of the frame is provided. Shims shall be made from materials capable of sustaining applicable loads, located and applied in a thickness capable of sustaining applicable loads. Anchors shall be provided to transfer load from the window or door frame to the rough opening substrate.



BUCK GREATER THAN 1 1/2"

Where the wood buck thickness is 1 1/2 inches or greater, the buck shall be securely fastened to transfer load to the masonry, concrete or other structural substrate and the buck shall extend beyond the interior face of the window or door frame. Window and door assemblies shall be anchored through the main frame or by jamb clip or subframe system or through the flange to the secured wood buck in accordance with the NOA or Florida Product Approval. Unless otherwise tested, bucks shall extend beyond the interior face of the window or door frame such that full support of the frame is provided. Shims shall be made from materials capable of sustaining applicable loads, located and applied in a thickness capable of sustaining applicable loads. Anchors shall be provided to transfer load from the window or door frame assembly to the secured wood buck.

WINDOW SHOP DRAWINGS WILL BE REQUIRED AT TIME OF BUILDING FRAMING
INSPECTION, PER INFORMATION SHEET ATTACHED TO APPROVED PLANS

Rev 12/31/17

Permitting window/ doors. (cladding)

- I. Determine required design pressures for each opening. This may be accomplished using the tables on the Town's website in lieu of engineering design and ASCE 7-10. Building height, exposure category, wall zone and opening size will be required to calculate this. Most buildings in Jupiter are in wind speed 170. Any opening within 4 ft of a corner is in wall zone 5.
- II. Once the required design pressures have been established, the engineered drawings in the product approval must be consulted and project specific details must be identified for the plans examiner; such as attachment schedules, substrates, glazing type, etc. to demonstrate that the method of installation and each product will meet the required design pressures. See The sample from PGT's instruction.
- III. A worst case pressure may be utilized, but note that the field inspector will verify that *all* openings comply with this pressure.
- IV. In most cases, the window supplier can provide specification sheets for the products which provide this information. If you have this information submit it with the permit application.
- V. Do not remove the paper labels affixed to the glazing until after final inspection. These are called "inspector labels" and tell the inspector the pressure ratings, the light transmission and energy efficiency ratings of the products.
- VI. If the building is located in the sea turtle protection zone (600 ft from the beach), then "turtle glass" will be required. Turtle glass has a light transmittance of 45% or less. Evidence will be submitted.
- VII. If the window replacement equals or exceeds 30% of the host structure's value or is part of or supplemental to an improvement or improvements equivalent to or more than 30% of the host

For questions contact Tim lynch 741-2581 or timl@jupiter.fl.us

DESIGN PRESSURE AND ANCHORAGE- REINFORCEMENT- HIGH SILL RISER (4.00")

> HEAD & SILL (H&S) INTERLOCK & ASTRAGAL CLUSTER PLUS ANCHOR QTY. PER PANEL

> JAMB ANCHOR QTY.

3/16" TEMPERED (Mono. & I.G.U.)

GLASS TYPE: G1 & G2

1/4" TEMPERED (Mono. & I.G.U.)

GLASS TYPE: G1A & G2A

Anchor Types:

1) *1/4" ELCO ULTRACON (FORMERLY TAPCO)

2) *1/4" SS4 CRETE-FLEX

3) *5/16" ULTRACON

4) *#12 STEEL SCREW (G5)

* SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1

NOM. PANEL WIDTH	FRAME SIDE	UNIT HEIGHT																			
		80			84			90			96			102			1,2 - CONC				
		1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD					
GLASS TYPE - G1, G1A, G2, G2A		+90 -209.0			+90 -209.0			+90 -209.0			+90 -209.0			+90 -205.3			+90 -				
24	Anchor	H&S			C6+2	C6+2	C7+2	C6+2	C6+2	C7+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2
	JAMB	10	10	10	10	10	12	10	10	12	10	10	12	10	10	14	10	10	14	10	10
GLASS TYPE - G1, G1A, G2, G2A		+90 -209.0			+90 -209.0			+90 -197.1			+90 -182.5			+90 -169.9			+90 -				
30	Anchor	H&S			C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2
	JAMB	10	10	12	10	10	12	10	10	14	10	10	14	10	10	14	10	10	14	10	10
GLASS TYPE - G1, G1A, G2, G2A		+90 -171.0			+90 -164.0			+90 -157.0			+90 -151.0			+90 -146.0			+90 -				
36	Anchor	H&S			C6+2	C6+2	C7+2	C6+2	C6+2	C7+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2	C8+2	C6+2	C6+2
	JAMB	10	10	12	10	10	12	10	10	12	10	10	12	10	10	12	10	10	14	10	10
GLASS TYPE - G1		+90 -153.0			+90 -142.0			+90 -128.0			+90 -118.0			+90 -110.0			+90 -				
GLASS TYPE - G1A, G2, G2A		+90 -153.0			+90 -142.0			+90 -128.0			+90 -118.0			+90 -110.0			+90 -				
42	Anchor	H&S			C6+2	C6+2	C7+3	C6+2	C6+2	C7+3	C6+2	C6+2	C7+2	C6+2	C6+2	C7+2	C6+2	C6+2	C7+2	C6+2	C6+2
	JAMB	10	10	12	10	10	12	10	10	12	10	10	12	10	10	12	10	10	12	10	10
GLASS TYPE - G1		+90 -151.0			+90 -140.0			+90 -124.0			+90 -113.0			+90 -103.0			+90 -				
GLASS TYPE - G1A, G2, G2A		+90 -151.0			+90 -140.0			+90 -124.0			+90 -113.0			+90 -118.5			+90 -				
48	Anchor	H&S			C6+2	C6+2	C8+4	C6+2	C6+2	C8+3	C6+2	C6+2	C7+3	C6+2	C6+2	C7+3	C6+2	C6+2	C8+3	C6+2	C6+2
	JAMB	10	10	12	10	10	12	10	10	12	10	10	12	10	10	12	10	10	14	10	10

POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 4" SILL.

DLO WIDTH = NOM. PANEL WIDTH - 7"

DLO HEIGHT = NOM. PANEL HEIGHT - 8 25" = EXAMP

TABLE R301.2(2)
COMPONENT AND CLADDING LOADS FOR A BUILDING WITH A MEAN
ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (ASD) (psf)^{a, b, c, d, e, f}

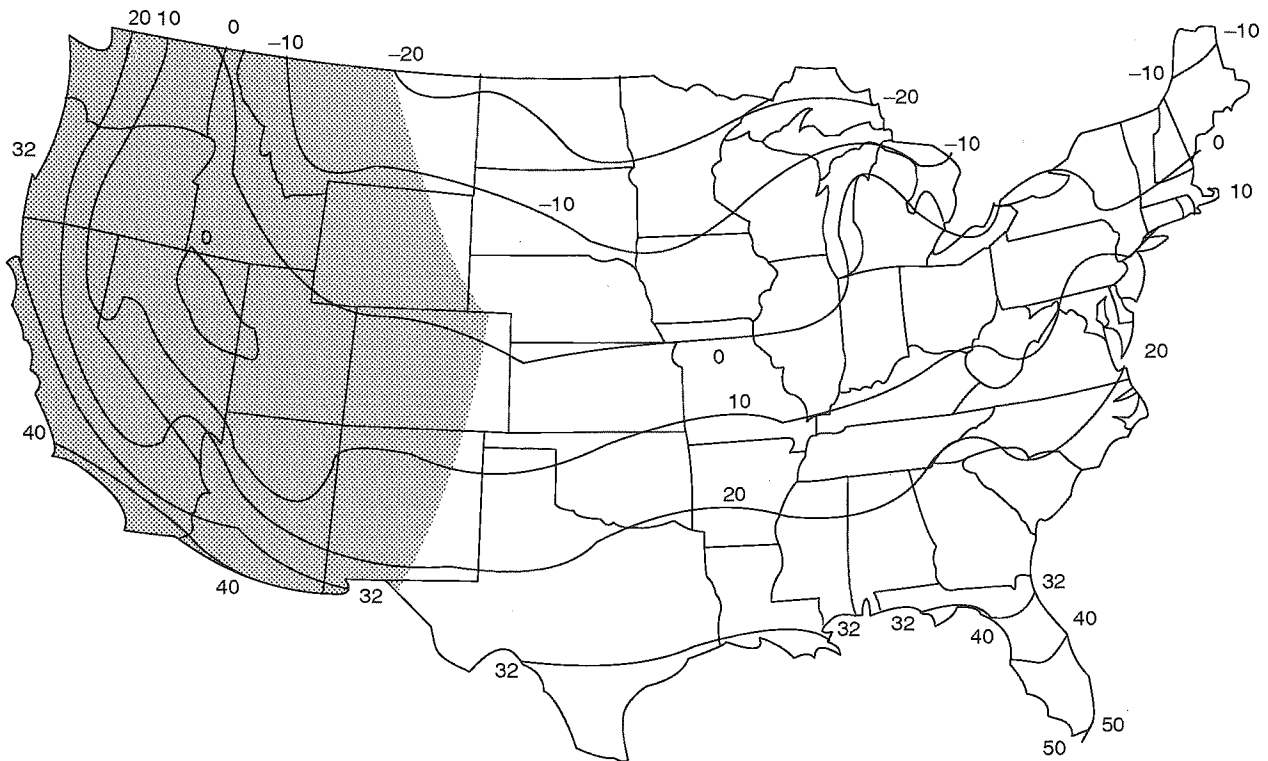
ZONE	EFFECTIVE WIND AREA (feet ²)	ULTIMATE DESIGN WIND SPEED, <i>V_{ULT}</i> (mph)																		
		110		115		120		130		140		150		160		170		180		
Roof 0 to 7 degrees	1	10	10.0	-13.0	10.0	-14.0	10.0	-15.0	10.0	-18.0	10.0	-21.0	9.9	-24.0	11.2	-27.0	12.6	-31.0	14.2	-35.0
	1	20	10.0	-12.0	10.0	-13.0	10.0	-15.0	10.0	-17.0	10.0	-20.0	9.2	-23.0	10.6	-26.0	11.9	-30.0	13.3	-34.1
	1	50	10.0	-12.0	10.0	-13.0	10.0	-14.0	10.0	-17.0	10.0	-19.0	8.5	-22.0	10.0	-26.0	10.8	-29.0	12.2	-32.9
	1	100	10.0	-11.0	10.0	-13.0	10.0	-14.0	10.0	-16.0	10.0	-19.0	7.8	-22.0	10.0	-25.0	10.0	-28.0	11.3	-32.0
	2	10	10.0	-21.0	10.0	-23.0	10.0	-26.0	10.0	-30.0	10.0	-35.0	9.9	-40.0	11.2	-46.0	12.6	-52.0	14.2	-58.7
	2	20	10.0	-19.0	10.0	-21.0	10.0	-23.0	10.0	-27.0	10.0	-31.0	9.2	-36.0	10.6	-41.0	11.9	-46.0	13.3	-52.4
	2	50	10.0	-16.0	10.0	-18.0	10.0	-19.0	10.0	-23.0	10.0	-26.0	8.5	-30.0	10.0	-34.0	10.8	-39.0	12.2	-44.1
	2	100	10.0	-14.0	10.0	-15.0	10.0	-16.0	10.0	-19.0	10.0	-22.0	7.8	-26.0	10.0	-30.0	10.0	-33.0	11.3	-37.9
	3	10	10.0	-33.0	10.0	-36.0	10.0	-39.0	10.0	-46.0	10.0	-53.0	9.9	-61.0	11.2	-69.0	12.6	-78.0	14.2	-88.3
	3	20	10.0	-27.0	10.0	-29.0	10.0	-32.0	10.0	-38.0	10.0	-44.0	9.2	-50.0	10.6	-57.0	11.9	-65.0	13.3	-73.1
	3	50	10.0	-19.0	10.0	-21.0	10.0	-23.0	10.0	-27.0	10.0	-32.0	8.5	-36.0	10.0	-41.0	10.8	-47.0	12.2	-53.1
	3	100	10.0	-14.0	10.0	-15.0	10.0	-16.0	10.0	-19.0	10.0	-22.0	7.8	-26.0	10.0	-30.0	10.0	-33.0	11.3	-37.9
Roof > 7 to 27 degrees	1	10	10.0	-11.0	10.0	-13.0	10.0	-14.0	10.5	-16.0	12.2	-19.0	14.0	-22.0	15.9	-25.0	17.9	-28.0	20.2	-32.0
	1	20	10.0	-11.0	10.0	-12.0	10.0	-13.0	10.0	-16.0	11.1	-18.0	12.8	-21.0	14.5	-24.0	16.4	-27.0	18.4	-31.1
	1	50	10.0	-11.0	10.0	-12.0	10.0	-13.0	10.0	-15.0	10.0	-18.0	11.1	-20.0	12.7	-23.0	14.3	-26.0	16.0	-29.9
	1	100	10.0	-10.0	10.0	-11.0	10.0	-12.0	10.0	-15.0	10.0	-17.0	9.9	-20.0	11.2	-22.0	12.6	-25.0	14.2	-29.0
	2	10	10.0	-20.0	10.0	-22.0	10.0	-24.0	10.5	-29.0	12.2	-33.0	14.0	-38.0	15.9	-44.0	17.9	-49.0	20.2	-55.8
	2	20	10.0	-19.0	10.0	-20.0	10.0	-22.0	10.0	-26.0	11.1	-31.0	12.8	-35.0	14.5	-40.0	16.4	-45.0	18.4	-51.2
	2	50	10.0	-16.0	10.0	-18.0	10.0	-20.0	10.0	-23.0	10.0	-27.0	11.1	-31.0	12.7	-35.0	14.3	-40.0	16.0	-45.4
	2	100	10.0	-15.0	10.0	-16.0	10.0	-18.0	10.0	-21.0	10.0	-24.0	9.9	-28.0	11.2	-32.0	12.6	-36.0	14.2	-40.9
	3	10	10.0	-30.0	10.0	-33.0	10.0	-36.0	10.5	-43.0	12.2	-49.0	14.0	-57.0	15.9	-65.0	17.9	-73.0	20.2	-82.4
	3	20	10.0	-28.0	10.0	-31.0	10.0	-34.0	10.0	-40.0	11.1	-46.0	12.8	-53.0	14.5	-60.0	16.4	-68.0	18.4	-77.0
	3	50	10.0	-26.0	10.0	-28.0	10.0	-31.0	10.0	-36.0	10.0	-42.0	11.1	-48.0	12.7	-55.0	14.3	-62.0	16.0	-69.9
	3	100	10.0	-24.0	10.0	-26.0	10.0	-28.0	10.0	-33.0	10.0	-39.0	9.9	-44.0	11.2	-51.0	12.6	-57.0	14.2	-64.6
Roof > 27 to 45 degrees	1	10	11.9	-13.0	13.1	-14.0	14.2	-15.0	16.7	-18.0	19.4	-21.0	22.2	-24.0	25.3	-27.0	28.5	-31.0	32.0	-35.0
	1	20	11.6	-12.0	12.7	-13.0	13.8	-14.0	16.2	-17.0	18.8	-20.0	21.6	-23.0	24.6	-26.0	27.7	-29.0	31.1	-33.2
	1	50	11.2	-11.0	12.2	-12.0	13.3	-13.0	15.6	-16.0	18.1	-18.0	20.8	-21.0	23.6	-24.0	26.7	-27.0	29.9	-30.8
	1	100	10.9	-10.0	11.9	-11.0	12.9	-12.0	15.1	-15.0	17.6	-17.0	20.2	-20.0	22.9	-22.0	25.9	-25.0	29.0	-29.0
	2	10	11.9	-15.0	13.1	-16.0	14.2	-18.0	16.7	-21.0	19.4	-24.0	22.2	-28.0	25.3	-32.0	28.5	-36.0	32.0	-40.9
	2	20	11.6	-14.0	12.7	-16.0	13.8	-17.0	16.2	-20.0	18.8	-23.0	21.6	-27.0	24.6	-30.0	27.7	-34.0	31.1	-39.1
	2	50	11.2	-13.0	12.2	-15.0	13.3	-16.0	15.6	-19.0	18.1	-22.0	20.8	-25.0	23.6	-29.0	26.7	-32.0	29.9	-36.8
	2	100	10.9	-13.0	11.9	-14.0	12.9	-15.0	15.1	-18.0	17.6	-21.0	20.2	-24.0	22.9	-27.0	25.9	-31.0	29.0	-35.0
	3	10	11.9	-15.0	13.1	-16.0	14.2	-18.0	16.7	-21.0	19.4	-24.0	22.2	-28.0	25.3	-32.0	28.5	-36.0	32.0	-40.9
	3	20	11.6	-14.0	12.7	-16.0	13.8	-17.0	16.2	-20.0	18.8	-23.0	21.6	-27.0	24.6	-30.0	27.7	-34.0	31.1	-39.1
	3	50	11.2	-13.0	12.2	-15.0	13.3	-16.0	15.6	-19.0	18.1	-22.0	20.8	-25.0	23.6	-29.0	26.7	-32.0	29.9	-36.8
	3	100	10.9	-13.0	11.9	-14.0	12.9	-15.0	15.1	-18.0	17.6	-21.0	20.2	-24.0	22.9	-27.0	25.9	-31.0	29.0	-35.0
Wall	4	10	13.1	-14.0	14.3	-15.0	15.5	-16.0	18.2	-19.0	21.2	-22.0	24.3	-26.0	27.7	-30.0	31.2	-33.0	35.0	-37.9
	4	20	12.5	-13.0	13.6	-14.0	14.8	-16.0	17.4	-19.0	20.2	-22.0	23.2	-25.0	26.4	-28.0	29.7	-32.0	33.4	-36.4
	4	50	11.7	-12.0	12.8	-14.0	13.9	-15.0	16.3	-17.0	19.0	-20.0	21.7	-23.0	24.7	-27.0	27.9	-30.0	31.3	-34.3
	4	100	11.1	-12.0	12.1	-13.0	13.2	-14.0	15.5	-17.0	18.0	-19.0	20.6	-22.0	23.5	-25.0	26.5	-29.0	29.8	-32.7
	4	500	10.0	-10.0	10.6	-11.0	11.6	-12.0	13.6	-15.0	15.8	-17.0	18.1	-20.0	20.6	-22.0	23.2	-25.0	26.1	-29.0
	5	10	13.1	-17.0	14.3	-19.0	15.5	-20.0	18.2	-24.0	21.2	-28.0	24.3	-32.0	27.7	-37.0	31.2	-41.0	35.0	-46.8
	5	20	12.5	-16.0	13.6	-17.0	14.8	-19.0	17.4	-22.0	20.2	-26.0	23.2	-30.0	26.4	-34.0	29.7	-39.0	33.4	-43.7
	5	50	11.7	-14.0	12.8	-16.0	13.9	-17.0	16.3	-20.0	19.0	-23.0	21.7	-27.0	24.7	-31.0	27.9	-35.0	31.3	-39.5
	5	100	11.1	-13.0	12.1	-14.0	13.2	-16.0	15.5	-19.0	18.0	-22.0	20.6	-25.0	23.5	-28.0	26.5	-32.0	29.8	-36.4
	5	500	10.0	-10.0	10.6	-11.0	11.6	-12.0	13.6	-15.0	15.8	-17.0	18.1	-20.0	20.6	-22.0	23.2	-25.0	26.1	-29.0

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m², 1 mile per hour = 0.447 m/s, 1 pound per square foot = 0.0479 kPa.

- a. The effective wind area shall be equal to the span length multiplied by an effective width. This width shall be permitted to be not less than one-third the span length. For cladding fasteners, the effective wind area shall not be greater than the area that is tributary to an individual fastener.
- b. For effective areas between those given, the load shall be interpolated or the load associated with the lower effective area shall be used.
- c. Table values shall be adjusted for height and exposure by multiplying by the adjustment coefficient in Table R301.2(3).
- d. See Figure R301.2(7) for location of zones.
- e. Plus and minus signs signify pressures acting toward and away from the building surfaces.
- f. Table values have been multiplied by 0.6 to convert component and cladding pressures to ASD.

TABLE R301.2(3)
HEIGHT AND EXPOSURE ADJUSTMENT COEFFICIENTS FOR TABLE R301.2(2)

MEAN ROOF HEIGHT	EXPOSURE		
	B	C	D
15	1.00	1.21	1.47
20	1.00	1.29	1.55
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
55	1.19	1.59	1.84
60	1.22	1.62	1.87



 DESIGN TEMPERATURES IN THIS AREA MUST BE BASED ON ANALYSIS OF LOCAL CLIMATE AND TOPOGRAPHY

For SI: °C = [(°F)-32]/1.8.

FIGURE R301.2(1)
ISOLINES OF THE 97 1/2 -PERCENT WINTER (DECEMBER, JANUARY AND FEBRUARY) DESIGN TEMPERATURES (°F)