CITY OF NORTH LAUDERDALE
701 SW 71ST Avenue North Lauderdale, FL 33068
954-724-7069 www.nlauderdale.org

The following documents are required for a Window/Doors Permit

One Copy:

Building Permit Application
Signed & Notarized

Written Contract or Cost Estimate
Include Name, Number, Address, Materials Price, Labor Price, Total, Signature

Owner/Builder Affidavit **(Homeowner permits only)**

Must have Homestead Exemption in order to submit Homeowner Permits

Signed & Notarized

Homeowner's Association Approval Letter (IF applicable)
Must be signed & notarized

Building Permit Application, Owner/Builder Affidavit can be found on our website www.NLauderdale.org

Two Copies:

Notice of Commencement must be submitted before permit can be issued
(If job value is $2500 or more)
Notarized & Recorded at 115 South Andrews Avenue, Room#114, Ft. Lauderdale

Labeled Sketch of Property
Label sketch numerically **and** include size of opening
Sketch of Property can be found and printed on www.BCPA.net

Window Packet
Highlight Windows / Door information on Wind Load Chart
Fill out Window / Door schedule to Correspond to Labeled Sketch of Property

NOA's for the windows/doors being used

Can get from Lowes, Home Depot, wherever products were purchased
NOA number on sticker of door or window must match the **unexpired** NOA packet

Window Packet can be found on our website www.NLauderdale.org

There is a processing fee of $106 plus a plan review fee based on job value.

Other agency approvals may be required

a. DPEP
b. Engineer's Letter
c. Easement Agreement
d. Any Other Required Agencies

BROWARD COUNTY UNIFORM BUILDING PERMIT APPLICATION

Revised 11-17-2022

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

Application Number: _____ Application Date: _____

1

Job Address: _____ Unit: _____ City: _____

Tax Folio No.: _____ Flood Zn: Select BFE: _____ Floor Area: _____ Job Value: _____

Building Use: _____ Construction Type: Select Occupancy Group: Select

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's Address: _____ City: _____ State: ____ Zip: _____

Fee Simple Titleholder's Name (*If other than the owner*) _____

Fee Simple Titleholder's Name
(*If other than the owner*) _____ City: _____ State: ____ Zip: _____

Mortgage Lender's Name: _____

Mortgage Lender's Name: _____ City: _____ State: ____ Zip: _____

See next page.

See previous page.

BROWARD COUNTY UNIFORM BUILDING PERMIT APPLICATION

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.

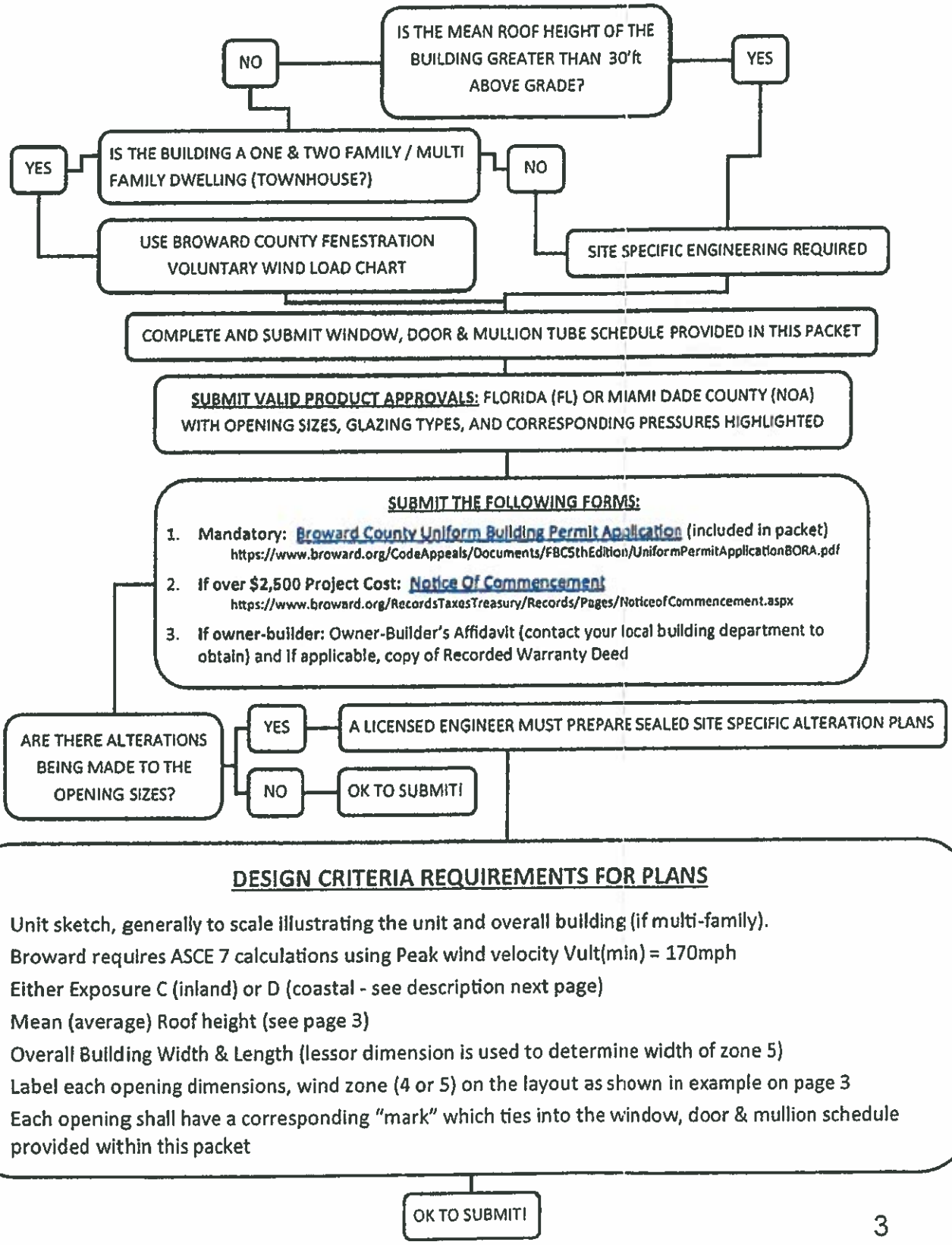
X _____ Signature of Property Owner or Agent (Including Contractor)	X _____ Signature of Contractor
STATE OF FLORIDA **COUNTY OF** _____	**STATE OF FLORIDA** **COUNTY OF** _____
Sworn to (or affirmed) and subscribed before me by means of ___ physical presence or ___ online notarization, this ____ day of _____, 20____ by	Sworn to (or affirmed) and subscribed before me by means of ___ physical presence or ___ online notarization, this ____ day of _____, 20____ by
_____ (Type/Print Property Owner or Agent Name)	_____ (Type/Print Property Owner or Agent Name)
_____ NOTARY'S SIGNATURE as to Owner or Agent's Signature	_____ NOTARY'S SIGNATURE as to Qualifier's Signature
Notary Name _____ (Print, Type or Stamp Notary's Name)	Notary Name _____ (Print, Type or Stamp Notary's Name)
Personally Known _____ Produced Identification _____	Personally Known _____ Produced Identification _____
Type of Identification Produced _____	Type of Identification Produced _____

APPROVED BY: _____ Permit Officer (FOR OFFICE USE ONLY) Issue Date: _____ (FOR OFFICE USE ONLY) Code in Effect: _____ (FOR OFFICE USE ONLY)

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.

INSTRUCTION FLOWCHART



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!

Explanation of Terms

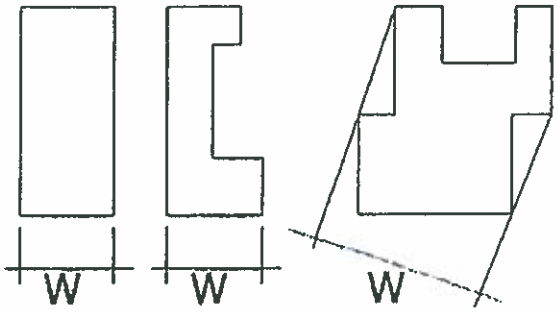
1: **Exposure C:** All of Broward County. The "Broward County Fenestration Voluntary Wind Load Chart" included within this packet can be used for all detached one & two story dwellings and multiple single-family dwellings (townhomes).

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).

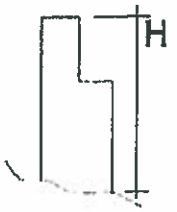
4: **Minimum Building Width:** 10% of least horizontal dimension (W) or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3'ft minimum.

MIN. BUILDING WIDTH EXAMPLES (PLAN VIEW):



Mean Roof Height

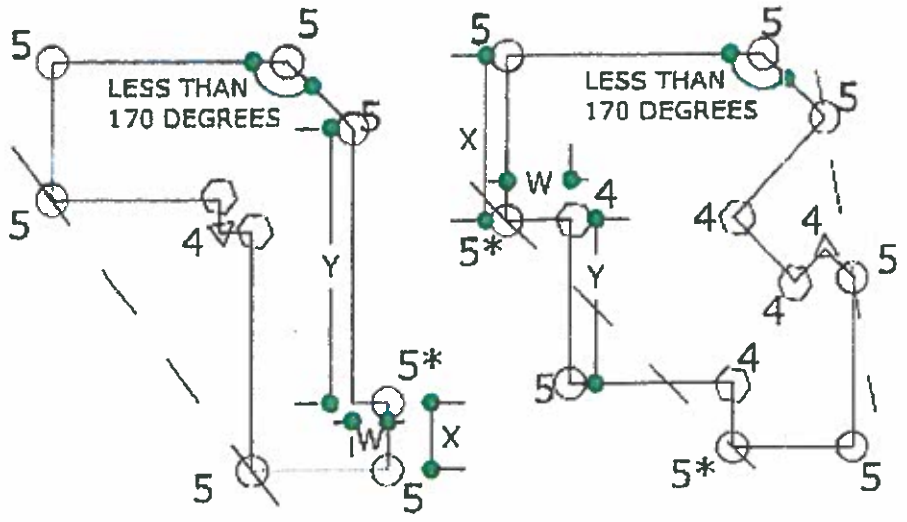
2: FLAT ROOF



2: SLOPED ROOF



ZONE EXAMPLES (PLAN VIEW)



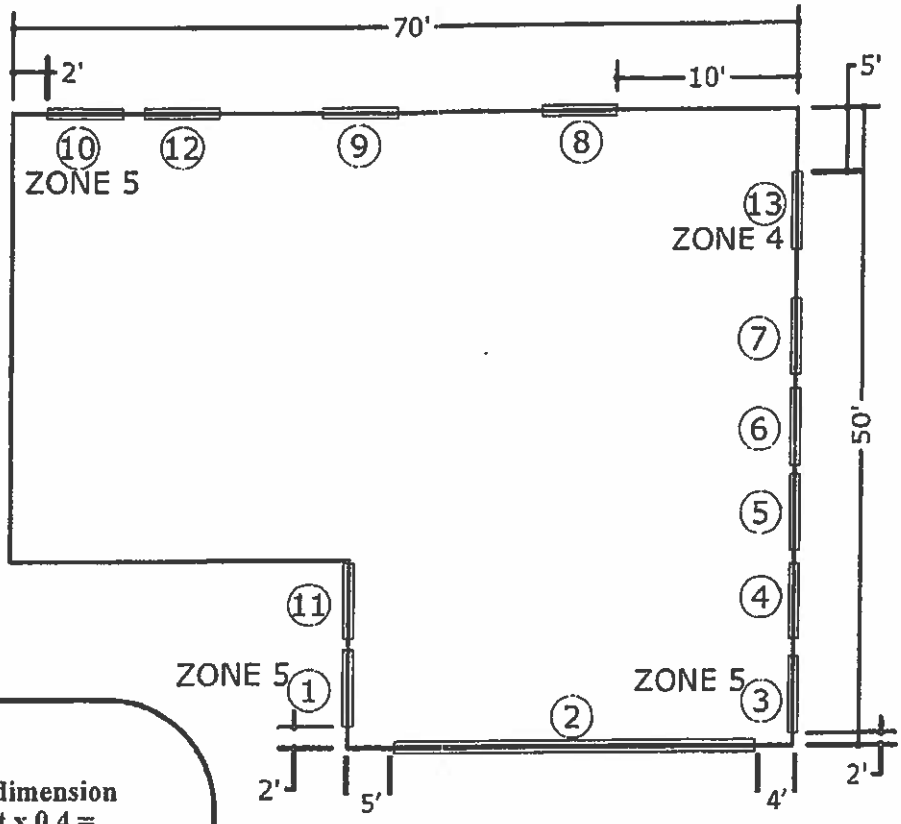
NOTE: The corner designated by an * would not be considered a corner if dimension W is less than half the width of the corner zone and dimension X and Y are greater than the width of a corner zone

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



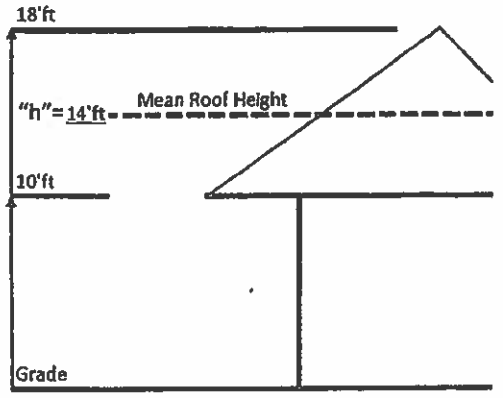
Zone determinations:

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

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.).

Broward County Fenestration Voluntary Wind Load Chart*

Per ASCE 7-16 Part 1 and FBC (2020) for Retrofitting in Accordance with Formal Interpretation #24

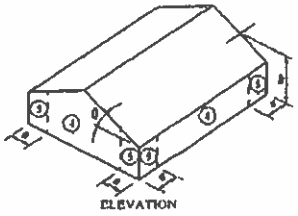
For Detached One-and Two family dwellings and Multiple Single-Family Dwellings (Townhouses) with Mean Roof Height ≤ 30 feet

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)

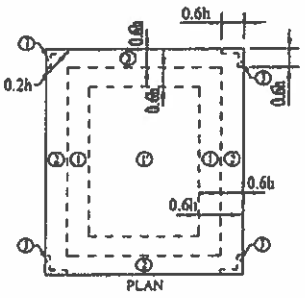
* Using Allowable Stress Design methodology (P = 0.6w) / ** Exposure C or D shall be determined according to ASCE 7-16 Section 26.7 (Exposure Categories)

Roof and Wall Zone Chart Diagrams

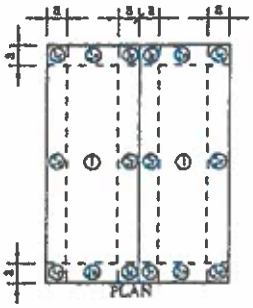
Wall Pressure Chart



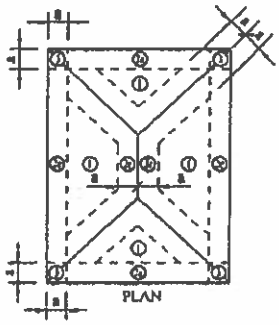
Flat Roof Uplift Chart



Gable Roof Uplift Chart



Hip Roof Uplift Chart



Instructions on how to use these Charts: Determine Mean Roof Height, *h*, which is top of roof for flat roofs or the mean roof height for pitched roofs. Find your least horizontal dimension for your building, not including a overhang if it occurs. Calculate the value of, *a*, = 10% of least horizontal dimension or 0.4*h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 feet. If your roof height is less than 30 feet, but not exactly 15, 20, or 25 feet, you will need to go to the next higher roof height. If your Mean Foof Height is higher than 30 feet, these charts do not apply. Review the diagram which illustrate the wall and roof zones and determine the wind zone in which the component is located. Determine the tributary area of the component. If the tributary area falls in between values, use the value of the smaller tributary area. Select the positive and negative wind pressures corresponding to the wall or roof zone where your component is located. Door pressures shown are for the most common door sizes and are worst case for heights <= 30 Feet.

Wall Pressure For All Roof Types

Mean Roof Height	15 Ft						20 Ft					
Tributary Area	10	20	35	50	100	500	10	20	35	50	100	500
Wall Positive Pressure	38.0	36.2	34.9	34.0	32.3	28.3	40.3	38.5	37.0	36.1	34.3	30.1
Zone 4 Negative Pressure	-41.2	-39.5	-38.1	-37.2	-35.5	-31.5	-43.7	-41.9	-40.5	-39.5	-37.7	-33.5
Zone 5 Negative Pressure	-50.8	-47.4	-44.6	-42.9	-39.5	-31.5	-54.0	-50.4	-47.4	-45.6	-41.9	-33.5
Mean Roof Height	25 Ft						30 Ft					
Tributary Area	10	20	35	50	100	500	10	20	35	50	100	500
Wall Positive Pressure	42.3	40.4	38.8	37.8	35.9	31.5	43.9	41.9	40.3	39.3	37.3	32.8
Zone 4 Negative Pressure	-45.8	-43.9	-42.4	-41.4	-39.5	-35.1	-47.6	-45.7	-44.1	-43.1	-41.1	-36.5
Zone 5 Negative Pressure	-56.6	-52.8	-49.7	-47.8	-43.9	-35.1	-58.8	-54.7	-51.7	-49.6	-45.7	-36.5

Garage/Door Pressures

<= 30 Ft			
Effective Wind Area		Positive	Negative
Width	Height		
8	8	38.6	-48.2
10	10	37.4	-45.7
14	14	35.4	-41.8
9	7	38.7	-48.3
16	7	37.0	-45.0
3	7	41.8	-54.6
6	7	39.8	-50.6

SIMPLIFIED ROOF UPLIFT CHART FOR ROOFING APPLICATIONS

This simplified chart represents the worst case wind pressures for the various roof slopes and heights. This chart is based on a Tributary Area = 10 SF which is required for roofing applications. If the roof height is less than 30 feet, but not exactly 15, 20, or 25 feet, you will need to go to the next higher roof height. If your roof height is higher than 30 feet, these charts do not apply. Refer to Roof Chart Diagrams on Page 1 for Roof Zone Locations

Mean Roof Height = 15 Feet

Flat Roof		Gable Roof 1.51 to 4:12			Gable Roof 4.1 to 6:12		Gable Roof 6.1: to 12:12		Hip Roof 1.51 to 4:12			Hip Roof 4.1 to 6:12	
Positive*	15.4/38.0		Positive	23.2	Positive	23.2	Positive	34.7		Positive	28.3	Positive	28.3
Zone		Zone	Roof	Overhang	Roof	Overhang	Roof	Overhang	Zone	Roof	Overhang	Roof	Overhang
1	-60.5	1, 2e	-70.1	-80.4	-54.0	-64.3	-63.7	-83.6	1	-63.7	-74.0	-50.8	-60.8
1'	-34.8	2n & 2r	-102	-113	-86.2	-96.5	-70.1	-90.1	2e	-89.4	-99.7	-70.1	-79.0
2	-79.8	3e	-102	-132	-86.2	-116	-86.7	-107	2r	-83.0	-93.3	-70.1	-79.0
3*	-109	3r	-122	-151	-102	-128	-70.1	-90.1	3	-89.4	-119	-70.1	-95.3

Mean Roof Height = 20 Feet

Flat Roof		Gable Roof 1.51 to 4:12			Gable Roof 4.1 to 6:12		Gable Roof 6.1: to 12:12		Hip Roof 1.51 to 4:12			Hip Roof 4.1 to 6:12	
Positive*	16.4/40.3		Positive	24.6	Positive	24.6	Positive	36.9		Positive	30.1	Positive	30.1
Zone		Zone	Roof	Overhang	Roof	Overhang	Roof	Overhang	Zone	Roof	Overhang	Roof	Overhang
1	-64.2	1, 2e	-74.5	-85.4	-57.4	-68.3	-67.7	-88.9	1	-67.6	-78.6	-54.0	-64.6
1'	-36.9	2n & 2r	-109	-120	-91.5	-102	-74.5	-95.7	2e	-95.0	-106	-74.5	-84.0
2	-84.8	3e	-109	-140	-91.5	-123	-92.1	-113	2r	-88.1	-99.1	-74.5	-84.0
3*	-116	3r	-129	-161	-108	-136	-74.5	-95.7	3	-95.0	-126	-74.5	-101

Mean Roof Height = 25 Feet

Flat Roof		Gable Roof 1.51 to 4:12			Gable Roof 4.1 to 6:12		Gable Roof 6.1: to 12:12		Hip Roof 1.51 to 4:12			Hip Roof 4.1 to 6:12	
Positive*	17.2/42.3		Positive	25.8	Positive	25.8	Positive	38.7		Positive	31.5	Positive	31.5
Zone		Zone	Roof	Overhang	Roof	Overhang	Roof	Overhang	Zone	Roof	Overhang	Roof	Overhang
1	-67.3	1, 2e	-78.1	-89.5	-60.2	-71.6	-70.9	-93.1	1	-70.9	-82.4	-58.6	-67.7
1'	-38.7	2n & 2r	-114	-125	-96	-107	-78.1	-100	2e	-99.6	-111	-78.1	-88.0
2	-88.8	3e	-114	-147	-96	-129	-96.6	-119	2r	-92.4	-104	-78.1	-88.0
3*	-121	3r	-135	-168	-113	-143	-78.1	-100	3	-99.6	-133	-78.1	-106

Mean Roof Height = 30 Feet

Flat Roof		Gable Roof 1.51 to 4:12			Gable Roof 4.1 to 6:12		Gable Roof 6.1: to 12:12		Hip Roof 1.51 to 4:12			Hip Roof 4.1 to 6:12	
Positive*	17.9/43.9		Positive	26.8	Positive	26.8	Positive	40.2		Positive	32.8	Positive	32.8
Zone		Zone	Roof	Overhang	Roof	Overhang	Roof	Overhang	Zone	Roof	Overhang	Roof	Overhang
1	-70.0	1, 2e	-81.1	-93.1	-62.6	-74.5	-73.7	-96.8	1	-73.7	-85.6	-58.8	-70.4
1'	-40.2	2n & 2r	-118	-130	-99.8	-112	-81.1	-104	2e	-103	-115	-81.1	-91.4
2	-92.3	3e	-118	-153	-99.8	-134	-100	-123	2r	-96.0	-108	-81.1	-91.4
3*	-126	3r	-141	-175	-118	-148	-81.1	-104	3	-103	-138	-81.1	-110

* If Parapet >= 3 Ft occurs around entire building use the same Zone 2 pressure for Zone 3 and use the higher positive pressure shown