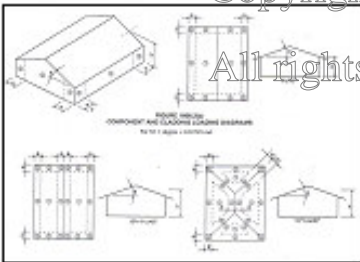


Building Design Criteria		
Building Type	Plan only residential	Basic Wind Speed: 135 mph
Wind Exposure Factor	1.0	Wind Exposure Category: B

**TABLE 1601B
COMPONENT AND CLADDING WIND LOADS FOR A BUILDING WITH A BEAM ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (per)**

Roof Slope	Wind Zone	Effective Wind Area (sq ft)	Basic Wind Speed (mph)	Design Wind Load (psf)
15° or less	1	100.0	135.0	-29.5
	2	100.0	135.0	-29.5
	3	100.0	135.0	-29.5
	4	100.0	135.0	-29.5
	5	100.0	135.0	-29.5
	6	100.0	135.0	-29.5
30°	1	100.0	135.0	-29.5
	2	100.0	135.0	-29.5
	3	100.0	135.0	-29.5
	4	100.0	135.0	-29.5
	5	100.0	135.0	-29.5
	6	100.0	135.0	-29.5

- Fig. 1601B (1) or (2) or (3) apply to all zones. 1 psf = 47.88 N/m²
- For all other areas or roof slopes between these two areas, interpolate by appropriate dimensions for load associated with the frame elevation area.
 - For values that do not appear in the table and require by analysis, use the values in Table 1601C.
 - The values apply to the location of loads.
 - For locations other than those shown, use the building outline.

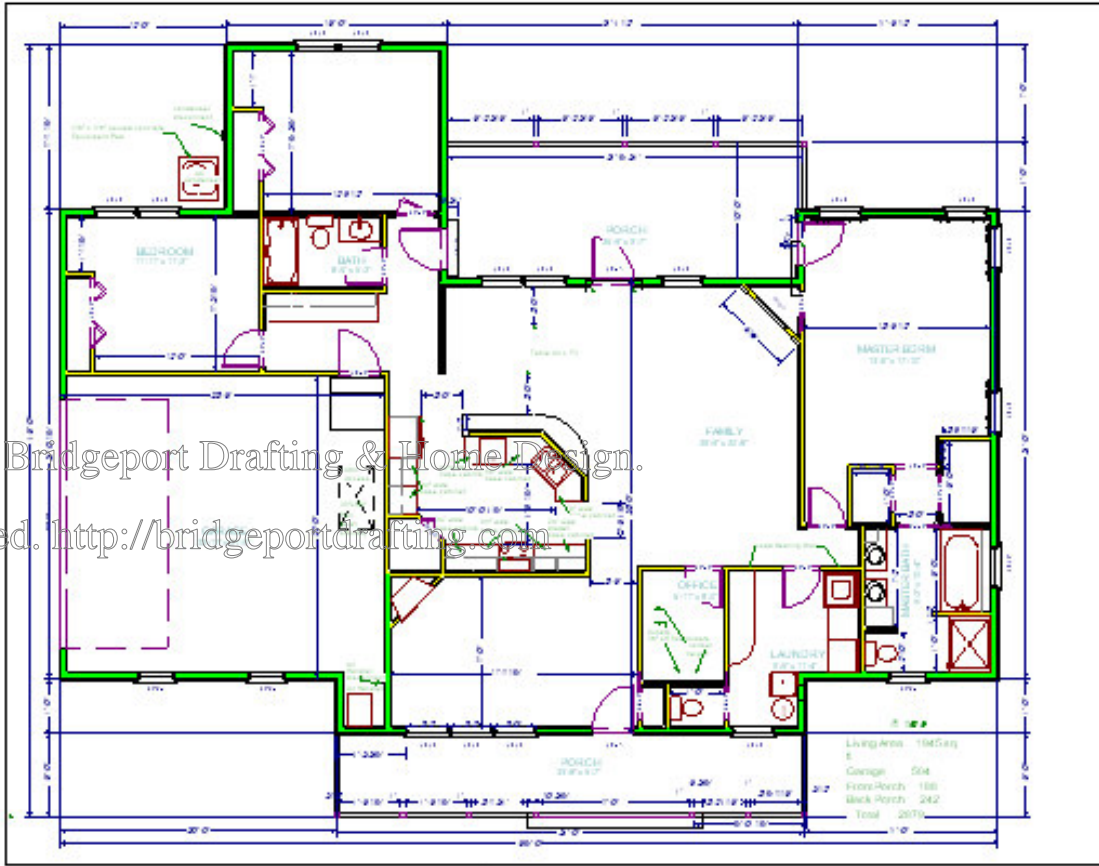


WINDS Wind Loads

Horizontal Loads	Transverse Loads	Longitudinal Loads
Roof zone		
Windward	17.8	15.0
Roof	12.2	-3.2
Leeward zone		
Wind	10.2	11.5
Roof	9.5	-3.9
Vertical Loads		
Roof zone		
Windward roof	6.9	-13.1
Leeward roof	-10.8	-13.8
Roof or zone	5.0	
Windward roof	-9.8	-13.3
Leeward roof		-8.2
Windward overhang		
Roof zone	-6.3	-28.7
Minor zone	-1.2	-20.9
Maximum Horizontal Wall Loads		
Wind		
TE	13.0	12.0
WE	-10.1	-8.3
T	11.8	8.8
E	-9.4	-7.3

**TABLE 1601C
ROOF OVERHANG COMPONENT AND CLADDING DESIGN WIND PRESSURES FOR A BUILDING WITH BEAM ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B (per)**

Roof Slope	Basic Wind Speed (mph)	
	30	100
0°	20	-29.8
	100	-27.4
5°	20	-29.8
	100	-27.4
10°	20	-29.8
	100	-27.4
15°	20	-29.8
	100	-27.4



**DESIGN WIND LOADS FOR WINDOWS AND DOORS (psf) (see notes 2,3)
IN BUILDINGS WITH A BEAM ROOF HEIGHT OF 15 FEET**

Basic Wind Speed (mph)	Wind Exposure Category		
	All Zones	Zone 1	Zone 2
100 mph	27	27	31
115 mph	29	29	33
130 mph	31	31	35
145 mph	33	33	37
160 mph	35	35	39

Notes:

- The Edge Effect (psf) is located at the corner of the window and is not to be used for the corner to corner or within a distance equal to 10% of the least horizontal dimension of the building, but not less than 2 feet. All windows within the Edge Effect (psf) are considered to be in the 'Zone 1' (see Figure 6.1 in Appendix B).
- Minimum design pressure is not to be less than 10% when the roof slope is less than or equal to 15 degrees (or less than 10).
- Flare areas on steep slopes apply to areas on existing lower level structures from the roof surface respectively.
- Roof overhang shall be designed for suction on positive area regardless of exposure.
- Basic Wind Speed shall be taken from the nearest basic wind speed table (ASCE).
- Basic wind speeds shall be taken from the Basic Wind Speed map for Palm Beach County.

REVISIONS	DATE

FLOOR PLAN

Bridgeport
Drafting & Home Design
215 Bridgeport Plaza
Palm Beach, FL 33411
305.328.1905

JOBS:
Project: _____
Arch: _____
SHEET NO. _____

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