



Models 451/452

										ASCE 7-05			ASCE 7-10				
Option Code	Positive Design PSF	Negative Design PSF	Maximum Size		Approvals ²		Glazing available ⁵	Source Plant	3-Second Gust Basic Wind Speeds (MPH) ³			3-Second Gust Basic Wind Speeds (MPH) ⁴					
			Max. Width	Max. Height	FBC	TDI			Exposure B Mean Roof Height ≤ 30'	Exposure C Mean Roof Height ≤ 15'	Exposure C Mean Roof Height ≤ 25'	Exposure B Mean Roof Height ≤ 30'	Exposure C Mean Roof Height ≤ 15'	Exposure C Mean Roof Height ≤ 25'	Exposure D Mean Roof Height ≤ 15'	Exposure D Mean Roof Height ≤ 25'	
0449	20.00	20.00	10'-2"	24'-1"	N/A	N/A	.125 Min. DSB	Mt. Hope	110	100	95	140	130	120	115	110	
0450	31.00	31.00	10'-2"	24'-1"	N/A	N/A	.125 Min. DSB	Mt. Hope	135	125	115	175	160	150	146	140	
0451	20.00	20.00	14'-2"	24'-1"	N/A	N/A	.125 Min. DSB	Mt. Hope	110	100	95	146	130	125	120	115	
0452	31.00	31.00	14'-2"	24'-1"	N/A	N/A	.125 Min. DSB	Mt. Hope	140	125	120	180	165	155	150	140	
0453	20.00	20.00	16'-2"	24'-1"	N/A	N/A	.125 Min. DSB	Mt. Hope	110	100	95	146	130	125	120	115	
0454	30.00	30.00	16'-2"	24'-1"	N/A	N/A	.125 Min. DSB	Mt. Hope	140	125	120	180	160	155	146	140	

- All doors tested for uniform static air pressure per ANSI/DASMA 108 to test pressure of 1.5 x design pressure
- FBC - Florida Building Commission, TDI - Texas Department of Insurance
- Above wind speeds based on ASCE 7-05 are applicable for enclosed structures with an importance factor of 1.0 and assume a maximum of 2' of the door is located within the end zone of a structure. Consult a registered Architect or Structural Engineer for applicability for other project specific conditions.
- Above wind speeds based on ASCE 7-10 Category II structure with a maximum of 2' of the door is located within the end zone of a structure. Consult a registered Architect or Structural Engineer for applicability for other project specific conditions.
- Glazing is **not** impact resistant and does not meet the requirements for Wind-Borne Debris Regions.
- Low Head Room track is available.
- Wind speeds listed in this guide are provided for reference purposes only. In **ALL** cases the local building authority is the sole and final determiner of the structural and safety requirements, and suitability of the garage door.