

INNOVATIONS WIND LOAD DETAILS - AFFINA, CENTURA & RELANTE

Wind speed in Miles Per Hour (MPH) is for reference purposes only; reference the wind speed conversion charts for exact Design Loads or consult local Authority Having Jurisdiction (AHJ) to insure the door being specified meets the required Design Loads. Wind speeds in the charts are Ultimate Design Wind Speeds for International Building Code (IBC) 2012 and Florida Building Code (FBC) 2010 only and not for FBC 2007. **Doors are rated by Design Loads, not Miles Per Hour.** Design pressures may vary between door line. Refer to drawings for exact design load pressures.

9' WIDE	<u>P-1393-A NOT IMPACT-RATED</u>					EXPOSURE			Approvals							
	(2) 20 GAGE UBAR PER DOOR					B	C	C								
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 15.8 - 17.9	N/A	N/A	8	1	all sizes shown are available				120	110	110	Not Avail.	FL 5328	Not Avail.	Not Avail.	
			9	1												

MRH = Mean Roof Height

9' WIDE	<u>P-1301 NOT IMPACT-RATED</u>					EXPOSURE			Approvals							
	(1) 20 GAGE UBAR PER SECTION; SINGLE ENDSTILES					B	C	C								
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 33.3 - 34.9	+ 33.3 - 34.9	+ 33.3 - 34.9	8	1	all sizes shown are available				170	160	150	FL 15212	FL 5328	Not Avail.	GDR-05	
			9	1					180							

MRH = Mean Roof Height

9' WIDE	<u>P-1302-A NOT IMPACT-RATED</u>					EXPOSURE			Approvals							
	(1) 18 GAGE UBAR PER SECTION; SINGLE ENDSTILES					B	C	C								
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 50.7 - 60.0	+ 50.7 - 60.0	+ 50.7 - 60.0	8	1	all sizes shown are available				200	200	200	Not Avail.	FL 5328	Not Avail.	GDR-05	
			9	1												

MRH = Mean Roof Height

10' WIDE	<u>P-1396-A NOT IMPACT-RATED</u>					EXPOSURE			Approvals							
	(1) 20 GAGE UBAR PER SECTION; SINGLE ENDSTILES					B	C	C								
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 36.0 - 43.3	+ 36.0 - 36.0	+ 36.0 - 36.0	8	1	all sizes shown are available				190	170	160	Not Avail.	FL 5328	Not Avail.	GDR-05	
			9	1												
			10	1												

MRH = Mean Roof Height
Windspeeds not valid for glazed doors

10' WIDE	<u>P-1397-A NOT IMPACT-RATED</u>					EXPOSURE			Approvals							
	(1) 18 GAGE UBAR PER SECTION; SINGLE ENDSTILES					B	C	C								
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 42.7 - 53.4	+ 42.7 - 53.4	+ 42.7 - 53.4	8	1	all sizes shown are available				200	190	180	Not Avail.	FL 5328	Not Avail.	GDR-05	
			9	1												
			10	1												

MRH = Mean Roof Height

10' WIDE	<u>P-3397 IMPACT-RATED</u>					EXPOSURE			Approvals							
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION; SINGLE ENDSTILES					B	C	C								
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 41.6 - 47.1	N/A	N/A	8	1	all sizes shown are available				200	180	170	FL 15212	FL 7393	Not Avail.	GDR-25	
			9	1						190	180					
			10	1												

MRH = Mean Roof Height

16' WIDE	P-2350 NOT IMPACT-RATED								EXPOSURE			Approvals				
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+21.8 - 24.3	+21.8 - 24.3	+21.8 - 24.3	8	3	all sizes shown are available				140	130	120	FL 15212	FL 5328	Not Avail.	GDR-05	
			9	3					150		130					
			10	3												
			12	3					140	130						
			14	3												
			15	3												
16	3															

MRH = Mean Roof Height

16' WIDE	P-2315-A NOT IMPACT-RATED								EXPOSURE			Approvals				
	(2) 18 GAGE UBARS PER SECTION; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+33.3 - 38.7	+28.0 - 38.7	+28.0 - 38.7	8	1	all sizes shown are available				180	160	160	Not Avail.	FL 5328	Not Avail.	GDR-05	
			9	1						170						160
			10	1												
			12	2					190	160						
			14	3												
			15	3												
16	3															

MRH = Mean Roof Height
Windspeeds not valid for glazed doors

16' WIDE	P-3315 IMPACT-RATED								EXPOSURE			Approvals				
	(2) 18 GAGE UBAR PER SECTION; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 36.1 - 40.2	N/A	N/A	8	1	all sizes shown are available				190	170	160	Pending	FL 7393	Not Avail.	Not Avail.	
			9	1							170					160
			10	1												
			12	2					180	170						
			14	3												
			15	3												
16	3															

MRH = Mean Roof Height

16' WIDE	P-2316-A NOT IMPACT-RATED								EXPOSURE			Approvals				
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION (1) REMOVABLE POST; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+50.0 - 56.7	+50.0 - 56.7	+36.7 - 41.4	8	1	available		not available		200	200	200	Not Avail.	FL 5328	Not Avail.	GDR-05	
			9	1												
			10	1												
			12	2												
			14	3												
			15	3												
16	3															

MRH = Mean Roof Height
Windspeeds not valid for ranch glazed doors

16' WIDE	P-3316 IMPACT-RATED								EXPOSURE			Approvals				
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION (1) REMOVABLE POST; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+ 47.3 - 52.0	N/A	N/A	8	1	available					200	200	180	FL 15212	FL 7393	Not Avail.	GDR-25
			9	1												
			10	1												
			12	2												
			14	3												
			15	3												
16	3															

MRH = Mean Roof Height

18' WIDE	P-2356-A NOT IMPACT-RATED								EXPOSURE			Approvals						
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION; SINGLE ENDSTILES								B	C	C							
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.		
						7	8	9	10	MPH	MPH	MPH						
+21.8 - 24.3	+21.8 - 24.3	N/A	8	1	available					150	140	130	130	Not Avail.	FL 5328	Not Avail.	Not Avail.	
			9	1														
			10	1														
			12	2														
			14	3														
			15	3														
16	3																	
18	3																	
																		N/A

MRH = Mean Roof Height

18' WIDE	P-2318-A NOT IMPACT-RATED								EXPOSURE			Approvals						
	(2) 18 GAGE UBARS PER SECTION; SINGLE ENDSTILES								B	C	C							
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.		
						7	8	9	10	MPH	MPH	MPH						
+29.7 - 33.1	+24.0 - 29.3	+24.0 - 29.3	8	1	available					170	150	150	Not Avail.	FL 5328	Not Avail.	Not Avail.		
			9	1														
			10	1														
			12	2														
			14	3														
			15	3														
16	3																	
18	3																	
																		N/A

MRH = Mean Roof Height
Windspeeds not valid for glazed doors

18' WIDE	P-2319-A NOT IMPACT-RATED								EXPOSURE			Approvals						
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION (1) REMOVABLE POST; SINGLE ENDSTILES								B	C	C							
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.		
						7	8	9	10	MPH	MPH	MPH						
+40.0 - 44.0	+40.0 - 44.0	+34.7 - 40.0	8	1	available					200	180	170	Not Avail.	FL 5328	Not Avail.	GDR-05		
			9	1														
			10	1														
			12	2														
			14	3														
			15	3														
16	3																	
18	3																	

MRH = Mean Roof Height
Windspeeds not valid for ranch glazed doors

18' WIDE	P-2323-A NOT IMPACT-RATED								EXPOSURE			Approvals				
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION (2) REMOVABLE POSTS; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+44.0 - 50.7	+44.0 - 50.7	N/A	8	2	available	not available	200	190	180	Not Avail.	FL 5328	Not Avail.	GDR-05			
			9	2												
			10	2												
			12	3												
			14	5												
			15	5												
			16	5												
			18	5			200	190								

MRH = Mean Roof Height

18' WIDE	P-3323-A IMPACT-RATED								EXPOSURE			Approvals				
	(1) 18 GAGE UBAR PER BOTTOM AND INTERMEDIATE SECTIONS (2) PER TOP SECTION (2) REMOVABLE POSTS; SINGLE ENDSTILES								B	C	C					
	Design Load (No Glass)	Design Load (Colonial Glass)	Design Load (Ranch Glass)	Door Width	Qty. Center Stiles	Door Height				<30' MRH	<15' MRH	<25' MRH	FBC 2010	FBC 2007	Dade County	Texas Dept. of Ins.
						7	8	9	10	MPH	MPH	MPH				
+44.0 - 48.7	N/A	N/A	8	2	available	not available	200	190	180	Pending	FL 7393	Not Avail.	GDR-25			
			9	2												
			10	2												
			12	3												
			14	5												
			15	5												
			16	5												
			18	5			200	190								

MRH = Mean Roof Height

