

SERIES 8000 IMPACT DESIGN PRESSURES & COMPARATIVE ANALYSIS

WS & NS, 2T Doors: 4'0" x 10'0" Panel

		Panel Width			
		30"	36"	42"	48"
Large Missile Non-Reinforced 2 Track Only Not Pocket Not Corner	Panel Height 80"	+75/-90	+75/-90	+75/-90	+75/-90
	96"	+75/-90	+75/-90	+75/-90	+75/-90
	108"	+75/-90	+71/-85	+63/-75	+57/-68
	120"	+73/-87	+62/-75	+55/-66	+50/-60

Miami Dade NOA No. 04-1020.02
 Florida State Product Approval No. FL 5042.1
 AAMA/NWWDA 101/I.S. 2-97, ASTM E 1996-03, ASTM E 1886-02 Test No. NCTL-210-3020-3
 ASTM E 283-91, ASTM E 330-90, ASTM E 331-93, ASTM E 1996-03, ASTM 1886-02 Test No. NCTL-210-3020-3A

		Panel Width			
		30"	36"	42"	48"
Small Missile Non-Reinforced 2 Track Only Not Pocket Not Corner	Panel Height 80"	+75/-90	+75/-90	+75/-90	+75/-90
	96"	+75/-90	+75/-90	+75/-90	+75/-90
	108"	+75/-90	+71/-85	+63/-75	+57/-68
	120"	+73/-87	+62/-75	+55/-66	+50/-60

Miami Dade NOA No. 04-1019.01
 Florida State Product Approval No. FL 5042.1

		Panel Width			
		30"	36"	42"	48"
Large Missile Reinforced 2 Track Only Not Pocket Not Corner	Panel Height 80"	+120/-150	+120/-150	+120/-150	+120/-150
	96"	+120/-150	+120/-150	+117/-146	+106/-133
	108"	+120/-150	+113/-142	+100/-126	+91/-114
	120"	+117/-146	+100/-125	+88/-110	+80/-100

Miami Dade NOA No. 04-1020.02
 Florida State Product Approval No. FL 5042.1
 AAMA/NWWDA 101/I.S. 2-97, ASTM E 1996-03, ASTM E 1886-02 Test No. NCTL-210-3020-1
 ASTM E 283-91, ASTM E 330-90, ASTM E 331-93, ASTM E 1996-03, ASTM 1886-02 Test No. NCTL-210-3020-1A

		Panel Width			
		30"	36"	42"	48"
Small Missile Reinforced 2 Track Only Not Pocket Not Corner	Panel Height 80"	+120/-150	+120/-150	+120/-150	+120/-150
	96"	+120/-150	+120/-150	+117/-146	+106/-133
	108"	+120/-150	+113/-142	+100/-126	+91/-114
	120"	+117/-146	+100/-125	+88/-110	+80/-100

Miami Dade NOA No. 04-1019.01
 Florida State Product Approval No. FL 5042.1

Water Test Results Sill Riser Height	Accomplished at Testing Laboratory (psf)	WinDoor's Expectations for Field Testing (psf)	Max Positive Pressure Limited by Water Test
1-1/2"	6.75	5.50	36.67
2-1/4"	9.00	7.50	50.00
3"	12.00	10.50	70.00
3-1/2"	15.00	12.50	83.33
4-1/4"	18.00	15.50	103.33

SERIES 8000 IMPACT DESIGN PRESSURES & COMPARATIVE ANALYSIS
WS & NS, 2T, 3T, 4T All Pockets, No Corners: 5'0" x 8'0" Panel

		Panel Width					
		30"	36"	42"	48"	54"	60"
Panel Height	80"	+/-120	+/-120	+/-120	+/-120	+/-120	+/-120
	96"	+/-120	+/-120	+/-120	+/-115	+/-100	+/-100

Large Missile Reinforced Multi Track By-Pass & Pocket

Miami Dade NOA No. 04-1020.03
 Florida State Product Approval No. FL 5042.1
 AAMA/NWWDA 101/I.S. 2-97, ASTM E 1996-03, ASTM E 1886-02 Test No. NCTL-210-3040-1A
 ASTM E 283-91, ASTM E 330-90, ASTM E 331-93, ASTM E 1996-03, ASTM 1886-02 Test No. NCTL-210-3040-1A
 Note: Does not include pockets under these standards

Water Test Results Sill Riser Height	Accomplished at Testing Laboratory (psf)	WinDoor's Expectations for Field Testing (psf)	Max Positive Pressure Limited by Water Test
1-1/2"	6.75	5.50	36.67
2-1/4"	9.00	7.50	50.00
3"	12.00	10.50	70.00
3-1/2"	15.00	12.50	83.33
4-1/4"	18.00	15.50	103.33

SERIES 8000 IMPACT DESIGN PRESSURES & COMPARATIVE ANALYSIS

Multi Track, All Pocket, All Corner: 4'0" x 10'0" Panel

		Panel Width			
		30"	36"	42"	48"
Panel Height	80"	+/-75	+/-75	+/-75	+/-75
	96"	+/-75	+/-75	+/-73	+/-67
	108"	+/-75	+/-71	+/-63	+/-57
	120"	+/-73	+/-63	+/-55	+/-50

Miami Dade NOA No. 04-1207.01
Florida State Product Approval No. FL 5042.1

		Panel Width			
		30"	36"	42"	48"
Panel Height	80"	+/-100	+/-100	+/-100	+/-100
	96"	+/-100	+/-100	+/-100	+/-100
	108"	+/-100	+/-100	+/-100	+/-91
	120"	+/-100	+/-100	+/-89	+/-80

Miami Dade NOA No. 04-1022.01
Florida State Product Approval No. FL 5042.1

Water Test Results Sill Riser Height	Accomplished at Testing Laboratory (psf)	WinDoor's Expectations for Field Testing (psf)	Max Positive Pressure Limited by Water Test
1-1/2"	6.75	5.50	36.67
2-1/4"	9.00	7.50	50.00
3"	12.00	10.50	70.00
3-1/2"	15.00	12.50	83.33
4-1/4"	18.00	15.50	103.33

SERIES 8000 IMPACT DESIGN PRESSURES & COMPARATIVE ANALYSIS

Multi Track: 5'0" x 9'0" Panel

		Panel Width				
		30"	36"	42"	48"	60"
Large Missile Reinforced Multi Track	Panel Height 80"	+/-90	+/-90	+/-90	+/-90	+/-90
	96"	+/-90	+/-90	+/-90	+/-90	+/-90

Florida State Product Approval No. FL 7208.1

Water Test Results Sill Riser Height	Accomplished at Testing Laboratory (psf)	WinDoor's Expectations for Field Testing (psf)	Max Positive Pressure Limited by Water Test
1-1/2"	6.75	5.50	36.67
2-1/4"	9.00	7.50	50.00
3"	12.00	10.50	70.00
3-1/2"	15.00	12.50	83.33
4-1/4"	18.00	15.50	103.33

SERIES 8000 NON-IMPACT DESIGN PRESSURES & COMPARATIVE ANALYSIS

WS & NS, 2T Doors: 5'0" x 10'0" & 4'0" x 10'0" Panels

AAMA/NWWDA 101/I.S. 2-97
Florida State Product Approval No. FL 5482.2

WS & NS, 2T Doors

Performance Ratings	Non-Reinforced	Aluminum Reinforced
5'0" x 10'0" Panel	HC-70 Test No. NTLA-687W	HC-105 Test No. CTLA-687W-1
4'0" x 10'0" Panel	HC-60 Test No. CTLA-698WR	HC-95 Test No. CTLA-698W-1R

		Panel Width					
		30"	36"	42"	48"	54"	60"
Non-Reinforced 2 Track Only Not Pocket Not Corner	Panel Height 80"	+/-142	+/-124	+/-112	+/-103	+/-97	+/-92
	96"	+/-114	+/-99	+/-88	+/-80	+/-74	+/-70
	108"	+/-99	+/-85	+/-75	+/-68	N/A	N/A
	120"	+/-87	+/-75	+/-66	+/-60	N/A	N/A

		Panel Width					
		30"	36"	42"	48"	54"	60"
Reinforced 2 Track Only Not Pocket Not Corner	Panel Height 80"	+/-189	+/-143	+/-126	+/-121	+/-118	+/-113
	96"	+/-174	+/-123	+/-105	+/-105	+/-105	+/-105
	108"	+/-157	+/-115	+/-95	+/-95	N/A	N/A
	120"	+/-139	+/-110	+/-95	+/-95	N/A	N/A

Water Test Results Sill Riser Height	Accomplished at Testing Laboratory (psf)	WinDoor's Expectations for Field Testing (psf)	Max Positive Pressure Limited by Water Test
1-1/2"	6.00	5.25	35.00
2-1/4"	9.00	7.50	50.00
3"	12.00	10.50	70.00
3-1/2"	15.80	13.50	90.00