

Concrete Slab Foundations with Monolithic Footings (Detail F1)							Table 406a		
Exposure B			Allowable Tributary Load Widths for Solid Roofs						
Total Height (In)	Bottom Width (In)	Reinforcement*	110 mph	120 mph	130 mph	140 mph	150 mph	160 mph	
4" Nominal Patio Slab			5'-10¾"	4'-11½"	4'-2½"	3'-7¾"	3'- 2"	2'-9½"	
16	12	2 Each #5	14'-7¾"	12'-3¾"	10'- 6"	9'-0½"	7'-10½"	6'- 11"	
16	16	2 Each #5	17'-6¾"	14'-9¼"	12'- 7"	10'-10¼"	9'-5½"	8'-3¾"	
20	16	2 Each #5	21'-5½"	18'-0½"	15'-4½"	13'- 3"	11'-6½"	10'-1¾"	
24	16	2 Each #5	25'-4¼"	21'-3¾"	18'-1¾"	15'-7¾"	13'-7¾"	11'-11¾"	
24	20	3 Each #5	30'-2¾"	25'-4¾"	21'-7¾"	18'- 8"	16'- 3"	14'-3½"	

Exposure B

Allowable Areas of Wall [Wind] Exposure by Zone for Wall Bracing Table 412							
Cable Pairs	Pressure=>	15.6 PSF	18.6 PSF	21.8 PSF	25.3 PSF	29.0 PSF	33.0 PSF
	Wind Zone=>	110	120	130	140	150	160
1	(TABULAR VALUES IN SQFT)	184	155	132	114	99	87
2		343	289	246	212	185	162
3		456	383	327	282	245	216
36" Long Solid Panels (Pairs)							
1		384	323	275	237	207	182
2		711	598	509	439	382	336

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Concrete Slab Foundations with Monolithic Footings (Detail F1)			Table 406a					
Exposure C			Allowable Tributary Load Widths for Solid Roofs					
Total Height (In)	Bottom Width (In)	Reinforcement*	110 mph	120 mph	130 mph	140 mph	150 mph	160 mph
4" Nominal Patio Slab			3'-11¾"	3'-4¼"	2'-10¼"	2'-5½"	2'-1¾"	1'-10¾"
16	12	2 Each #5	9'- 11"	8'- 4"	7'-1¼"	6'-1½"	5'- 4"	4'-8¼"
16	16	2 Each #5	11'-10¾"	9'-11¾"	8'-6¼"	7'-4¼"	6'-4¾"	5'-7½"
20	16	2 Each #5	14'-6½"	12'-2½"	10'-4¾"	8'-11¾"	7'-9¾"	6'-10½"
24	16	2 Each #5	17'- 2"	14'- 5"	12'-3½"	10'-7¼"	9'-2¾"	8'-1½"
24	20	3 Each #5	20'-5½"	17'-2¼"	14'-7¾"	12'-7½"	11'- 0"	9'- 8"

Exposure C

Allowable Areas of Wall [Wind] Exposure by Zone for Wall Bracing Table 412							
Cable Pairs	Pressure=>	18.9 PSF	22.6 PSF	26.5 PSF	30.7 PSF	35.2 PSF	40.1 PSF
	Wind Zone=>	110	120	130	140	150	160
1	(TABULAR VALUES IN SQFT)	152	128	109	94	82	72
2		283	238	203	175	152	134
3		376	316	269	232	202	178
36" Long Solid Panels (Pairs)							
1		317	266	227	195	170	150
2		586	492	419	362	315	277

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Chapter 4 - Glass Enclosures - Exposure D

Concrete Slab Foundations with Monolithic Footings (Detail F1)			Table 406a					
Exposure D			Allowable Tributary Load Widths for Solid Roofs					
Total Height (In)	Bottom Width (In)	Reinforcement*	110 mph	120 mph	130 mph	140 mph	150 mph	160 mph
4" Nominal Patio Slab			3'-3½"	2'-9¼"	2'-4¼"	2'-0¼"	1'-9¼"	1'-6¾"
16	12	2 Each #5	8'-10½"	7'-5½"	6'-4¼"	5'-5¾"	4'-9¼"	4'-2¼"
16	16	2 Each #5	10'- 6"	8'- 10"	7'-6¼"	6'-5¾"	5'-7¾"	4'-11½"
20	16	2 Each #5	12'- 8"	10'-7¾"	9'- 1"	7'- 10"	6'-9¾"	5'-11¾"
24	16	2 Each #5	14'-10¼"	12'-5¾"	10'-7½"	9'- 2"	7'-11¾"	7'-0¼"
24	20	3 Each #5	17'-6¾"	14'- 9"	12'- 7"	10'- 10"	9'-5¼"	8'-3½"

Exposure D

Allowable Areas of Wall [Wind] Exposure by Zone for Wall Bracing Table 412							
Cable Pairs	Pressure=>	23.0 PSF	27.3 PSF	32.1 PSF	37.2 PSF	42.7 PSF	48.6 PSF
	Wind Zone=>	110	120	130	140	150	160
1	(TABULAR VALUES IN SQFT)	125	105	90	77	67	59
2		233	196	167	144	126	110
3		310	261	222	191	167	147
36" Long Solid Panels (Pairs)							
1		261	220	187	161	141	124
2		222	187	159	137	119	105

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Table 406 (HVHZ)						
Concrete Slab Foundations with Monolithic Footings (Detail F1)						
HVHZ			Allowable Tributary Load Widths for Solid Roofs			
Total Height (In)	Bottom Width (In)	Reinforcement*	Exposure C		Exposure D	
			156 mph	165 mph	156 mph	165 mph
4" Nominal Patio Slab			1'-11¾"	1'-9¼"	1'-7½"	1'-5½"
16	12	2 Each #5	4'-11¼"	4'- 5"	4'- 5"	3'-11¼"
16	16	2 Each #5	5'- 11"	5'-3½"	5'-2¾"	4'- 8"
20	16	2 Each #5	7'-2¾"	6'-5½"	6'-3¾"	5'-7½"
24	16	2 Each #5	8'-6½"	7'-7½"	7'-4½"	6'-7¼"
24	20	3 Each #5	10'- 2"	9'-1¼"	8'-8¾"	7'-9¾"

HVHZ Zones

Allowable Areas of Wall [Wind] Exposure by Zone for Wall ¶ Table 412						
Cable Pairs	Pressure=>	38.1 PSF	42.6 PSF		46.2 PSF	51.7 PSF
	Wind Zone=>	156 Exp C	165 Exp C		156 Exp D	165 Exp D
1	(TABULAR VALUES IN SQFT)	75	68		62	56
2		141	126		116	104
3		187	167		154	138
36" Long Solid Panels (Pairs)						
1		157	141		130	116
2		291	261		240	215