

Part 1

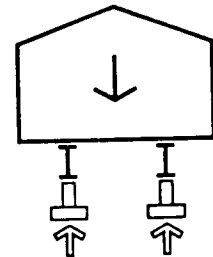
Required Effective Footing Area - Aftg

Single-Section C

Required Effective Footing Area - Aftg (sqft) *

Min. Roof: 15 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.0	3.5	4.1	4.7	5.2	6.3
1500	2.0	2.3	2.7	3.1	3.5	4.2
2000	1.5	1.8	2.0	2.3	2.6	3.2
2500	1.2	1.4	1.6	1.9	2.1	2.5
3000	1.0	1.2	1.4	1.6	1.7	2.1
3500	1.0	1.0	1.2	1.3	1.5	1.8
4000	1.0	1.0	1.0	1.2	1.3	1.6

Single-Section Width	Aftg C 12'
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Ground Snow: 25 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.0	3.6	4.2	4.8	5.3	6.5
1500	2.0	2.4	2.8	3.2	3.6	4.3
2000	1.5	1.8	2.1	2.4	2.7	3.2
2500	1.2	1.4	1.7	1.9	2.1	2.6
3000	1.0	1.2	1.4	1.6	1.8	2.2
3500	1.0	1.0	1.2	1.4	1.5	1.9
4000	1.0	1.0	1.0	1.2	1.3	1.6

Ground Snow: 30 psf & Min. Roof: 20 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.1	3.7	4.3	4.9	5.5	6.7
1500	2.1	2.5	2.9	3.3	3.7	4.5
2000	1.5	1.8	2.1	2.4	2.7	3.3
2500	1.2	1.5	1.7	2.0	2.2	2.7
3000	1.0	1.2	1.4	1.6	1.8	2.2
3500	1.0	1.1	1.2	1.4	1.6	1.9
4000	1.0	1.0	1.1	1.2	1.4	1.7

Ground Snow: 40 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.3	3.9	4.5	5.2	5.8	7.1
1500	2.2	2.6	3.0	3.5	3.9	4.7
2000	1.6	2.0	2.3	2.6	2.9	3.6
2500	1.3	1.6	1.8	2.1	2.3	2.8
3000	1.1	1.3	1.5	1.7	1.9	2.4
3500	1.0	1.1	1.3	1.5	1.7	2.0
4000	1.0	1.0	1.1	1.3	1.5	1.8

Ground Snow: 50 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.4	4.1	4.8	5.5	6.2	7.5
1500	2.3	2.7	3.2	3.6	4.1	5.0
2000	1.7	2.1	2.4	2.7	3.1	3.8
2500	1.4	1.6	1.9	2.2	2.5	3.0
3000	1.1	1.4	1.6	1.8	2.1	2.5
3500	1.0	1.2	1.4	1.6	1.8	2.1
4000	1.0	1.0	1.2	1.4	1.5	1.9

Ground Snow: 60 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.6	4.3	5.0	5.8	6.5	7.9
1500	2.4	2.9	3.4	3.8	4.3	5.3
2000	1.8	2.2	2.5	2.9	3.2	4.0
2500	1.4	1.7	2.0	2.3	2.6	3.2
3000	1.2	1.4	1.7	1.9	2.2	2.6
3500	1.0	1.2	1.4	1.6	1.9	2.3
4000	1.0	1.1	1.3	1.4	1.6	2.0

Ground Snow: 70 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.8	4.5	5.3	6.0	6.8	8.3
1500	2.5	3.0	3.5	4.0	4.5	5.6
2000	1.9	2.3	2.6	3.0	3.4	4.2
2500	1.5	1.8	2.1	2.4	2.7	3.3
3000	1.3	1.5	1.8	2.0	2.3	2.8
3500	1.1	1.3	1.5	1.7	1.9	2.4
4000	1.0	1.1	1.3	1.5	1.7	2.1

* Minimum exterior and interior pier area is 1.0 sqft

Aftg C 12'	 Single-Section Width
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Ground Snow: 80 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.9	4.7	5.5	6.3	7.1	8.7
1500	2.6	3.1	3.7	4.2	4.8	5.8
2000	2.0	2.4	2.8	3.2	3.6	4.4
2500	1.6	1.9	2.2	2.5	2.9	3.5
3000	1.3	1.6	1.8	2.1	2.4	2.9
3500	1.1	1.3	1.6	1.8	2.0	2.5
4000	1.0	1.2	1.4	1.6	1.8	2.2

Ground Snow: 100 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.2	5.1	6.0	6.9	7.8	9.6
1500	2.8	3.4	4.0	4.6	5.2	6.4
2000	2.1	2.6	3.0	3.4	3.9	4.8
2500	1.7	2.1	2.4	2.8	3.1	3.8
3000	1.4	1.7	2.0	2.3	2.6	3.2
3500	1.2	1.5	1.7	2.0	2.2	2.7
4000	1.1	1.3	1.5	1.7	1.9	2.4

Aftg C 14'	 Single-Section Width
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Min. Roof: 15 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.3	4.0	4.6	5.3	5.9	7.2
1500	2.2	2.6	3.1	3.5	3.9	4.8
2000	1.7	2.0	2.3	2.6	3.0	3.6
2500	1.3	1.6	1.8	2.1	2.4	2.9
3000	1.1	1.3	1.5	1.8	2.0	2.4
3500	1.0	1.1	1.3	1.5	1.7	2.1
4000	1.0	1.0	1.2	1.3	1.5	1.8

Ground Snow: 30 psf & Min. Roof: 20 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.5	4.2	4.9	5.6	6.2	7.6
1500	2.3	2.8	3.2	3.7	4.2	5.1
2000	1.7	2.1	2.4	2.8	3.1	3.8
2500	1.4	1.7	1.9	2.2	2.5	3.1
3000	1.2	1.4	1.6	1.9	2.1	2.5
3500	1.0	1.2	1.4	1.6	1.8	2.2
4000	1.0	1.0	1.2	1.4	1.6	1.9

* Minimum exterior and interior pier area is 1.0 sqft.

Required Effective Footing Area - Aftg (sqft) *


Ground Snow: 90 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.1	4.9	5.8	6.6	7.5	9.1
1500	2.7	3.3	3.8	4.4	5.0	6.1
2000	2.0	2.5	2.9	3.3	3.7	4.6
2500	1.6	2.0	2.3	2.6	3.0	3.7
3000	1.4	1.6	1.9	2.2	2.5	3.0
3500	1.2	1.4	1.6	1.9	2.1	2.6
4000	1.0	1.2	1.4	1.7	1.9	2.3

Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 25 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.4	4.0	4.7	5.4	6.1	7.4
1500	2.3	2.7	3.1	3.6	4.0	4.9
2000	1.7	2.0	2.4	2.7	3.0	3.7
2500	1.4	1.6	1.9	2.2	2.4	3.0
3000	1.1	1.3	1.6	1.8	2.0	2.5
3500	1.0	1.2	1.3	1.5	1.7	2.1
4000	1.0	1.0	1.2	1.3	1.5	1.8

Ground Snow: 40 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.7	4.4	5.1	5.9	6.6	8.1
1500	2.4	2.9	3.4	3.9	4.4	5.4
2000	1.8	2.2	2.6	2.9	3.3	4.1
2500	1.5	1.8	2.1	2.4	2.7	3.2
3000	1.2	1.5	1.7	2.0	2.2	2.7
3500	1.0	1.3	1.5	1.7	1.9	2.3
4000	1.0	1.1	1.3	1.5	1.7	2.0

Required Effective Footing Area - Aftg (sqft) *


	Aftg C 14'
Single-Section Width	

Ground Snow: 50 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.9	4.6	5.4	6.2	7.0	8.6
1500	2.6	3.1	3.6	4.1	4.7	5.7
2000	1.9	2.3	2.7	3.1	3.5	4.3
2500	1.5	1.9	2.2	2.5	2.8	3.4
3000	1.3	1.5	1.8	2.1	2.3	2.9
3500	1.1	1.3	1.6	1.8	2.0	2.5
4000	1.0	1.2	1.4	1.6	1.8	2.1

Ground Snow: 70 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.2	5.1	6.0	6.9	7.8	9.5
1500	2.8	3.4	4.0	4.6	5.2	6.4
2000	2.1	2.6	3.0	3.4	3.9	4.8
2500	1.7	2.0	2.4	2.8	3.1	3.8
3000	1.4	1.7	2.0	2.3	2.6	3.2
3500	1.2	1.5	1.7	2.0	2.2	2.7
4000	1.1	1.3	1.5	1.7	1.9	2.4

Ground Snow: 90 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.6	5.6	6.6	7.6	8.5	10.5
1500	3.1	3.7	4.4	5.0	5.7	7.0
2000	2.3	2.8	3.3	3.8	4.3	5.3
2500	1.8	2.2	2.6	3.0	3.4	4.2
3000	1.5	1.9	2.2	2.5	2.8	3.5
3500	1.3	1.6	1.9	2.2	2.4	3.0
4000	1.2	1.4	1.6	1.9	2.1	2.6

Required Effective Footing Area - Aftg (sqft) *

	Aftg C 16'
Single-Section Width	

Min. Roof: 15 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.6	4.4	5.1	5.8	6.6	8.0
1500	2.4	2.9	3.4	3.9	4.4	5.4
2000	1.8	2.2	2.5	2.9	3.3	4.0
2500	1.5	1.7	2.0	2.3	2.6	3.2
3000	1.2	1.5	1.7	1.9	2.2	2.7
3500	1.0	1.2	1.5	1.7	1.9	2.3
4000	1.0	1.1	1.3	1.5	1.6	2.0

* Minimum exterior and interior pier area is 1.0 sqft.

Ground Snow: 60 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.0	4.9	5.7	6.6	7.4	9.1
1500	2.7	3.3	3.8	4.4	4.9	6.0
2000	2.0	2.4	2.9	3.3	3.7	4.5
2500	1.6	2.0	2.3	2.6	3.0	3.6
3000	1.3	1.6	1.9	2.2	2.5	3.0
3500	1.2	1.4	1.6	1.9	2.1	2.6
4000	1.0	1.2	1.4	1.6	1.8	2.3

Ground Snow: 80 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.4	5.4	6.3	7.2	8.2	10.0
1500	3.0	3.6	4.2	4.8	5.4	6.7
2000	2.2	2.7	3.1	3.6	4.1	5.0
2500	1.8	2.1	2.5	2.9	3.3	4.0
3000	1.5	1.8	2.1	2.4	2.7	3.3
3500	1.3	1.5	1.8	2.1	2.3	2.9
4000	1.1	1.3	1.6	1.8	2.0	2.5

Ground Snow: 100 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.8	5.8	6.9	7.9	8.9	11.0
1500	3.2	3.9	4.6	5.3	6.0	7.3
2000	2.4	2.9	3.4	3.9	4.5	5.5
2500	1.9	2.3	2.7	3.2	3.6	4.4
3000	1.6	1.9	2.3	2.6	3.0	3.7
3500	1.4	1.7	2.0	2.3	2.6	3.1
4000	1.2	1.5	1.7	2.0	2.2	2.7

Ground Snow: 25 psf						
Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.7	4.5	5.2	6.0	6.7	8.2
1500	2.5	3.0	3.5	4.0	4.5	5.5
2000	1.9	2.2	2.6	3.0	3.4	4.1
2500	1.5	1.8	2.1	2.4	2.7	3.3
3000	1.2	1.5	1.7	2.0	2.2	2.7
3500	1.1	1.3	1.5	1.7	1.9	2.3
4000	1.0	1.1	1.3	1.5	1.7	2.1

Aftg C 16'	 Single-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 30 psf & Min. Roof: 20 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	3.8	4.6	5.4	6.2	6.9	8.5
1500	2.5	3.1	3.6	4.1	4.6	5.7
2000	1.9	2.3	2.7	3.1	3.5	4.2
2500	1.5	1.8	2.2	2.5	2.8	3.4
3000	1.3	1.5	1.8	2.1	2.3	2.8
3500	1.1	1.3	1.5	1.8	2.0	2.4
4000	1.0	1.1	1.3	1.5	1.7	2.1

Ground Snow: 50 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.3	5.1	6.0	6.9	7.8	9.6
1500	2.8	3.4	4.0	4.6	5.2	6.4
2000	2.1	2.6	3.0	3.5	3.9	4.8
2500	1.7	2.1	2.4	2.8	3.1	3.8
3000	1.4	1.7	2.0	2.3	2.6	3.2
3500	1.2	1.5	1.7	2.0	2.2	2.7
4000	1.1	1.3	1.5	1.7	2.0	2.4

Ground Snow: 70 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.7	5.7	6.7	7.7	8.7	10.7
1500	3.1	3.8	4.5	5.1	5.8	7.1
2000	2.3	2.8	3.3	3.8	4.3	5.3
2500	1.9	2.3	2.7	3.1	3.5	4.3
3000	1.6	1.9	2.2	2.6	2.9	3.6
3500	1.3	1.6	1.9	2.2	2.5	3.0
4000	1.2	1.4	1.7	1.9	2.2	2.7

Ground Snow: 90 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	5.1	6.2	7.3	8.4	9.5	11.7
1500	3.4	4.1	4.9	5.6	6.4	7.8
2000	2.6	3.1	3.7	4.2	4.8	5.9
2500	2.0	2.5	2.9	3.4	3.8	4.7
3000	1.7	2.1	2.4	2.8	3.2	3.9
3500	1.5	1.8	2.1	2.4	2.7	3.4
4000	1.3	1.6	1.8	2.1	2.4	2.9

Ground Snow: 40 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.0	4.9	5.7	6.5	7.4	9.0
1500	2.7	3.2	3.8	4.4	4.9	6.0
2000	2.0	2.4	2.9	3.3	3.7	4.5
2500	1.6	1.9	2.3	2.6	2.9	3.6
3000	1.3	1.6	1.9	2.2	2.5	3.0
3500	1.2	1.4	1.6	1.9	2.1	2.6
4000	1.0	1.2	1.4	1.6	1.8	2.3

Ground Snow: 60 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.5	5.4	6.4	7.3	8.2	10.1
1500	3.0	3.6	4.2	4.9	5.5	6.7
2000	2.2	2.7	3.2	3.6	4.1	5.1
2500	1.8	2.2	2.5	2.9	3.3	4.0
3000	1.5	1.8	2.1	2.4	2.7	3.4
3500	1.3	1.5	1.8	2.1	2.4	2.9
4000	1.1	1.4	1.6	1.8	2.1	2.5

Ground Snow: 80 psf

Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	4.9	6.0	7.0	8.1	9.1	11.2
1500	3.3	4.0	4.7	5.4	6.1	7.5
2000	2.5	3.0	3.5	4.0	4.6	5.6
2500	2.0	2.4	2.8	3.2	3.6	4.5
3000	1.6	2.0	2.3	2.7	3.0	3.7
3500	1.4	1.7	2.0	2.3	2.6	3.2
4000	1.2	1.5	1.8	2.0	2.3	2.8

Ground Snow: 100 psf


Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	5.3	6.5	7.7	8.8	10.0	12.3
1500	3.6	4.3	5.1	5.9	6.6	8.2
2000	2.7	3.2	3.8	4.4	5.0	6.1
2500	2.1	2.6	3.1	3.5	4.0	4.9
3000	1.8	2.2	2.6	2.9	3.3	4.1
3500	1.5	1.9	2.2	2.5	2.8	3.5
4000	1.3	1.6	1.9	2.2	2.5	3.1

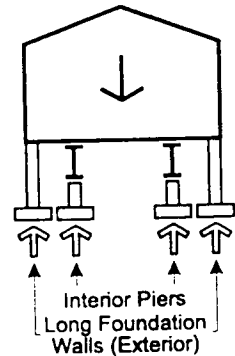
* Minimum exterior and interior pier area is 1.0 sqft.

Single-Section E, I_r

Required Effective Footing Area - Aftg (sqft) *


Interior Piers Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	1.7	1.9	2.2	2.4	2.7	3.2
1500	1.1	1.3	1.5	1.6	1.8	2.1
2000	1.0	1.0	1.1	1.2	1.3	1.6
2500	1.0	1.0	1.0	1.0	1.1	1.3
3000	1.0	1.0	1.0	1.0	1.0	1.1
3500	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0

 Single-Section Width	Aftg E, I 12'
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Required Effective Footing Area - Aftg (sqft) *

Interior Piers Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	1.8	2.1	2.4	2.7	2.9	3.5
1500	1.2	1.4	1.6	1.8	2.0	2.3
2000	1.0	1.1	1.2	1.3	1.5	1.8
2500	1.0	1.0	1.0	1.1	1.2	1.4
3000	1.0	1.0	1.0	1.0	1.0	1.2
3500	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0

 Single-Section Width	Aftg E, I 14'
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Required Effective Footing Area - Aftg (sqft) *

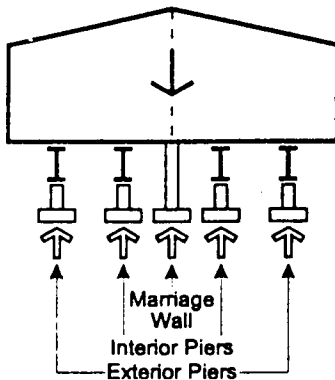
Interior Piers Net Soil Pres (psf)	Pier Spacing (ft)					
	4	5	6	7	8	10
1000	2.0	2.3	2.6	2.9	3.3	3.9
1500	1.3	1.5	1.7	2.0	2.2	2.6
2000	1.0	1.1	1.3	1.5	1.6	1.9
2500	1.0	1.0	1.0	1.2	1.3	1.6
3000	1.0	1.0	1.0	1.0	1.1	1.3
3500	1.0	1.0	1.0	1.0	1.0	1.1
4000	1.0	1.0	1.0	1.0	1.0	1.0

 Single-Section Width	Aftg E, I 16'
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- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2"

Multi-Section C

Aftg C 12'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.0	3.5	4.1	4.7	5.2	6.3
	marriage	3.0	3.6	4.2	4.8	5.4	6.6
1500	ext, int	2.0	2.3	2.7	3.1	3.5	4.2
	marriage	2.0	2.4	2.8	3.2	3.6	4.4
2000	ext, int	1.5	1.8	2.0	2.3	2.6	3.2
	marriage	1.5	1.8	2.1	2.4	2.7	3.3
2500	ext, int	1.2	1.4	1.6	1.9	2.1	2.5
	marriage	1.2	1.4	1.7	1.9	2.2	2.6
3000	ext, int	1.0	1.2	1.4	1.6	1.7	2.1
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
3500	ext, int	1.0	1.0	1.2	1.3	1.5	1.8
	marriage	1.0	1.0	1.2	1.4	1.5	1.9
4000	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	1.0	1.0	1.0	1.2	1.3	1.6

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	6.4	7.5	8.7	9.9	11.0	12.2
1500	marriage	4.3	5.0	5.8	6.6	7.3	8.1
2000	marriage	3.2	3.8	4.3	4.9	5.5	6.1
2500	marriage	2.6	3.0	3.5	3.9	4.4	4.9
3000	marriage	2.1	2.5	2.9	3.3	3.7	4.1
3500	marriage	1.8	2.2	2.5	2.8	3.1	3.5
4000	marriage	1.6	1.9	2.2	2.5	2.8	3.0

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.0	3.6	4.2	4.8	5.3	6.5
	marriage	3.1	3.7	4.4	5.0	5.6	6.9
1500	ext, int	2.0	2.4	2.8	3.2	3.6	4.3
	marriage	2.1	2.5	2.9	3.3	3.7	4.6
2000	ext, int	1.5	1.8	2.1	2.4	2.7	3.2
	marriage	1.6	1.9	2.2	2.5	2.8	3.4
2500	ext, int	1.2	1.4	1.7	1.9	2.1	2.6
	marriage	1.2	1.5	1.7	2.0	2.2	2.8
3000	ext, int	1.0	1.2	1.4	1.6	1.8	2.2
	marriage	1.0	1.2	1.5	1.7	1.9	2.3
3500	ext, int	1.0	1.0	1.2	1.4	1.5	1.9
	marriage	1.0	1.1	1.2	1.4	1.6	2.0
4000	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	1.0	1.0	1.1	1.2	1.4	1.7


Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	6.7	7.9	9.1	10.3	11.5	12.7
1500	marriage	4.5	5.3	6.1	6.9	7.7	8.5
2000	marriage	3.3	3.9	4.6	5.2	5.8	6.4
2500	marriage	2.7	3.2	3.6	4.1	4.6	5.1
3000	marriage	2.2	2.6	3.0	3.4	3.8	4.2
3500	marriage	1.9	2.3	2.6	2.9	3.3	3.6
4000	marriage	1.7	2.0	2.3	2.6	2.9	3.2

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.1	3.7	4.3	4.9	5.5	6.7
	marriage	3.3	3.9	4.6	5.3	5.9	7.3
1500	ext, int	2.1	2.5	2.9	3.3	3.7	4.5
	marriage	2.2	2.6	3.1	3.5	4.0	4.9
2000	ext, int	1.5	1.8	2.1	2.4	2.7	3.3
	marriage	1.6	2.0	2.3	2.6	3.0	3.6
2500	ext, int	1.2	1.5	1.7	2.0	2.2	2.7
	marriage	1.3	1.6	1.8	2.1	2.4	2.9
3000	ext, int	1.0	1.2	1.4	1.6	1.8	2.2
	marriage	1.1	1.3	1.5	1.8	2.0	2.4
3500	ext, int	1.0	1.1	1.2	1.4	1.6	1.9
	marriage	1.0	1.1	1.3	1.5	1.7	2.1
4000	ext, int	1.0	1.0	1.1	1.2	1.4	1.7
	marriage	1.0	1.0	1.2	1.3	1.5	1.8

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.1	8.4	9.7	11.0	12.3	13.6
1500	marriage	4.7	5.6	6.5	7.3	8.2	9.0
2000	marriage	3.5	4.2	4.8	5.5	6.1	6.8
2500	marriage	2.8	3.4	3.9	4.4	4.9	5.4
3000	marriage	2.4	2.8	3.2	3.7	4.1	4.5
3500	marriage	2.0	2.4	2.8	3.1	3.5	3.9
4000	marriage	1.8	2.1	2.4	2.7	3.1	3.4

* Minimum exterior and interior pier area is 1.0 sqft.

Required Effective Footing Area - Aftg (sqft) *

	Aftg C 12'
Multi-Section Width	

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.3	3.9	4.5	5.2	5.8	7.1
	marriage	3.6	4.3	5.1	5.8	6.6	8.1
1500	ext, int	2.2	2.6	3.0	3.5	3.9	4.7
	marriage	2.4	2.9	3.4	3.9	4.4	5.4
2000	ext, int	1.6	2.0	2.3	2.6	2.9	3.6
	marriage	1.8	2.2	2.5	2.9	3.3	4.1
2500	ext, int	1.3	1.6	1.8	2.1	2.3	2.8
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
3000	ext, int	1.1	1.3	1.5	1.7	1.9	2.4
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
3500	ext, int	1.0	1.1	1.3	1.5	1.7	2.0
	marriage	1.0	1.2	1.5	1.7	1.9	2.3
4000	ext, int	1.0	1.0	1.1	1.3	1.5	1.8
	marriage	1.0	1.1	1.3	1.5	1.6	2.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.9	9.4	10.8	12.3	13.7	15.2
1500	marriage	5.3	6.2	7.2	8.2	9.2	10.1
2000	marriage	4.0	4.7	5.4	6.1	6.9	7.6
2500	marriage	3.2	3.7	4.3	4.9	5.5	6.1
3000	marriage	2.6	3.1	3.6	4.1	4.6	5.1
3500	marriage	2.3	2.7	3.1	3.5	3.9	4.3
4000	marriage	2.0	2.3	2.7	3.1	3.4	3.8

Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.6	4.3	5.0	5.8	6.5	7.9
	marriage	4.2	5.2	6.1	7.0	7.9	9.7
1500	ext, int	2.4	2.9	3.4	3.8	4.3	5.3
	marriage	2.8	3.4	4.1	4.7	5.3	6.5
2000	ext, int	1.8	2.2	2.5	2.9	3.2	4.0
	marriage	2.1	2.6	3.0	3.5	4.0	4.9
2500	ext, int	1.4	1.7	2.0	2.3	2.6	3.2
	marriage	1.7	2.1	2.4	2.8	3.2	3.9
3000	ext, int	1.2	1.4	1.7	1.9	2.2	2.6
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
3500	ext, int	1.0	1.2	1.4	1.6	1.9	2.3
	marriage	1.2	1.5	1.7	2.0	2.3	2.8
4000	ext, int	1.0	1.1	1.3	1.4	1.6	2.0
	marriage	1.1	1.3	1.5	1.7	2.0	2.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.5	11.3	13.1	14.9	16.7	18.5
1500	marriage	6.4	7.5	8.7	9.9	11.1	12.3
2000	marriage	4.8	5.7	6.6	7.4	8.3	9.2
2500	marriage	3.8	4.5	5.2	6.0	6.7	7.4
3000	marriage	3.2	3.8	4.4	5.0	5.6	6.2
3500	marriage	2.7	3.2	3.7	4.3	4.8	5.3
4000	marriage	2.4	2.8	3.3	3.7	4.2	4.6

Ground Snow: 50 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.4	4.1	4.8	5.5	6.2	7.5
	marriage	3.9	4.8	5.6	6.4	7.3	8.9
1500	ext, int	2.3	2.7	3.2	3.6	4.1	5.0
	marriage	2.6	3.2	3.7	4.3	4.8	5.9
2000	ext, int	1.7	2.1	2.4	2.7	3.1	3.8
	marriage	2.0	2.4	2.8	3.2	3.6	4.5
2500	ext, int	1.4	1.6	1.9	2.2	2.5	3.0
	marriage	1.6	1.9	2.2	2.6	2.9	3.6
3000	ext, int	1.1	1.4	1.6	1.8	2.1	2.5
	marriage	1.3	1.6	1.9	2.1	2.4	3.0
3500	ext, int	1.0	1.2	1.4	1.6	1.8	2.1
	marriage	1.1	1.4	1.6	1.8	2.1	2.5
4000	ext, int	1.0	1.0	1.2	1.4	1.5	1.9
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.7	10.3	12.0	13.6	15.2	16.8
1500	marriage	5.8	6.9	8.0	9.1	10.1	11.2
2000	marriage	4.4	5.2	6.0	6.8	7.6	8.4
2500	marriage	3.5	4.1	4.8	5.4	6.1	6.7
3000	marriage	2.9	3.4	4.0	4.5	5.1	5.6
3500	marriage	2.5	3.0	3.4	3.9	4.3	4.8
4000	marriage	2.2	2.6	3.0	3.4	3.8	4.2

Ground Snow: 70 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.8	4.5	5.3	6.0	6.8	8.3
	marriage	4.6	5.6	6.6	7.6	8.6	10.6
1500	ext, int	2.5	3.0	3.5	4.0	4.5	5.6
	marriage	3.0	3.7	4.4	5.0	5.7	7.0
2000	ext, int	1.9	2.3	2.6	3.0	3.4	4.2
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
2500	ext, int	1.5	1.8	2.1	2.4	2.7	3.3
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3000	ext, int	1.3	1.5	1.8	2.0	2.3	2.8
	marriage	1.5	1.9	2.2	2.5	2.9	3.5
3500	ext, int	1.1	1.3	1.5	1.7	1.9	2.4
	marriage	1.3	1.6	1.9	2.2	2.4	3.0
4000	ext, int	1.0	1.1	1.3	1.5	1.7	2.1
	marriage	1.1	1.4	1.6	1.9	2.1	2.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.4	12.3	14.3	16.2	18.1	20.1
1500	marriage	6.9	8.2	9.5	10.8	12.1	13.4
2000	marriage	5.2	6.2	7.1	8.1	9.1	10.0
2500	marriage	4.1	4.9	5.7	6.5	7.3	8.0
3000	marriage	3.5	4.1	4.8	5.4	6.0	6.7
3500	marriage	3.0	3.5	4.1	4.6	5.2	5.7
4000	marriage	2.6	3.1	3.6	4.0	4.5	5.0

* Minimum exterior and interior pier area is 1.0 sqft.

Aftg C 12'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 80 psf

Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.9	4.7	5.5	6.3	7.1	8.7
	marriage	4.9	6.0	7.1	8.1	9.2	11.4
1500	ext, int	2.6	3.1	3.7	4.2	4.8	5.8
	marriage	3.3	4.0	4.7	5.4	6.1	7.6
2000	ext, int	2.0	2.4	2.8	3.2	3.6	4.4
	marriage	2.5	3.0	3.5	4.1	4.6	5.7
2500	ext, int	1.6	1.9	2.2	2.5	2.9	3.5
	marriage	2.0	2.4	2.8	3.3	3.7	4.5
3000	ext, int	1.3	1.6	1.8	2.1	2.4	2.9
	marriage	1.6	2.0	2.4	2.7	3.1	3.8
3500	ext, int	1.1	1.3	1.6	1.8	2.0	2.5
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
4000	ext, int	1.0	1.2	1.4	1.6	1.8	2.2
	marriage	1.2	1.5	1.8	2.0	2.3	2.8

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.2	13.3	15.4	17.5	19.6	21.7
	marriage	7.4	8.9	10.3	11.7	13.1	14.5
1500	marriage	5.6	6.6	7.7	8.8	9.8	10.9
	marriage	4.5	5.3	6.2	7.0	7.8	8.7
2000	marriage	3.7	4.4	5.1	5.8	6.5	7.2
	marriage	3.2	3.8	4.4	5.0	5.6	6.2
3500	marriage	2.8	3.3	3.8	4.4	4.9	5.4

Ground Snow: 100 psf

Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	4.2	5.1	6.0	6.9	7.8	9.6
	marriage	5.6	6.8	8.0	9.3	10.5	13.0
1500	ext, int	2.8	3.4	4.0	4.6	5.2	6.4
	marriage	3.7	4.5	5.4	6.2	7.0	8.7
2000	ext, int	2.1	2.6	3.0	3.4	3.9	4.8
	marriage	2.8	3.4	4.0	4.6	5.3	6.5
2500	ext, int	1.7	2.1	2.4	2.8	3.1	3.8
	marriage	2.2	2.7	3.2	3.7	4.2	5.2
3000	ext, int	1.4	1.7	2.0	2.3	2.6	3.2
	marriage	1.9	2.3	2.7	3.1	3.5	4.3
3500	ext, int	1.2	1.5	1.7	2.0	2.2	2.7
	marriage	1.6	1.9	2.3	2.7	3.0	3.7
4000	ext, int	1.1	1.3	1.5	1.7	1.9	2.4
	marriage	1.4	1.7	2.0	2.3	2.6	3.3

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.8	15.2	17.7	20.1	22.6	25.0
	marriage	8.5	10.2	11.8	13.4	15.0	16.7
1500	marriage	6.4	7.6	8.8	10.1	11.3	12.5
	marriage	5.1	6.1	7.1	8.0	9.0	10.0
2000	marriage	4.3	5.1	5.9	6.7	7.5	8.3
	marriage	3.7	4.4	5.1	5.7	6.4	7.1
3500	marriage	3.2	3.8	4.4	5.0	5.6	6.2


Ground Snow: 90 psf

Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	4.1	4.9	5.8	6.6	7.5	9.1
	marriage	5.2	6.4	7.5	8.7	9.9	12.2
1500	ext, int	2.7	3.3	3.8	4.4	5.0	6.1
	marriage	3.5	4.3	5.0	5.8	6.6	8.1
2000	ext, int	2.0	2.5	2.9	3.3	3.7	4.6
	marriage	2.6	3.2	3.8	4.4	4.9	6.1
2500	ext, int	1.6	2.0	2.3	2.6	3.0	3.7
	marriage	2.1	2.6	3.0	3.5	3.9	4.9
3000	ext, int	1.4	1.6	1.9	2.2	2.5	3.0
	marriage	1.7	2.1	2.5	2.9	3.3	4.1
3500	ext, int	1.2	1.4	1.6	1.9	2.1	2.6
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
4000	ext, int	1.0	1.2	1.4	1.7	1.9	2.3
	marriage	1.3	1.6	1.9	2.2	2.5	3.0

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.0	14.3	16.5	18.8	21.1	23.4
	marriage	8.0	9.5	11.0	12.5	14.1	15.6
1500	marriage	6.0	7.1	8.3	9.4	10.5	11.7
	marriage	4.8	5.7	6.6	7.5	8.4	9.3
2000	marriage	4.0	4.8	5.5	6.3	7.0	7.8
	marriage	3.4	4.1	4.7	5.4	6.0	6.7
3500	marriage	3.0	3.6	4.1	4.7	5.3	5.8

* Minimum exterior and interior pier area is 1.0 sqft

Required Effective Footing Area - Aftg (sqft) *

	Aftg C 14'
Multi-Section Width	

Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.3	4.0	4.6	5.3	5.9	7.2
	marriage	3.4	4.1	4.8	5.5	6.3	7.7
1500	ext, int	2.2	2.6	3.1	3.5	3.9	4.8
	marriage	2.3	2.8	3.2	3.7	4.2	5.1
2000	ext, int	1.7	2.0	2.3	2.6	3.0	3.6
	marriage	1.7	2.1	2.4	2.8	3.1	3.8
2500	ext, int	1.3	1.6	1.8	2.1	2.4	2.9
	marriage	1.4	1.7	1.9	2.2	2.5	3.1
3000	ext, int	1.1	1.3	1.5	1.8	2.0	2.4
	marriage	1.1	1.4	1.6	1.8	2.1	2.6
3500	ext, int	1.0	1.1	1.3	1.5	1.7	2.1
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
4000	ext, int	1.0	1.0	1.2	1.3	1.5	1.8
	marriage	1.0	1.0	1.2	1.4	1.6	1.9
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.5	8.8	10.2	11.6	13.0	14.3
1500	marriage	5.0	5.9	6.8	7.7	8.6	9.5
2000	marriage	3.7	4.4	5.1	5.8	6.5	7.2
2500	marriage	3.0	3.5	4.1	4.6	5.2	5.7
3000	marriage	2.5	2.9	3.4	3.9	4.3	4.8
3500	marriage	2.1	2.5	2.9	3.3	3.7	4.1
4000	marriage	1.9	2.2	2.6	2.9	3.2	3.6

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.5	4.2	4.9	5.6	6.2	7.6
	marriage	3.7	4.5	5.3	6.1	6.9	8.5
1500	ext, int	2.3	2.8	3.2	3.7	4.2	5.1
	marriage	2.5	3.0	3.6	4.1	4.6	5.7
2000	ext, int	1.7	2.1	2.4	2.8	3.1	3.8
	marriage	1.9	2.3	2.7	3.1	3.5	4.2
2500	ext, int	1.4	1.7	1.9	2.2	2.5	3.1
	marriage	1.5	1.8	2.1	2.4	2.8	3.4
3000	ext, int	1.2	1.4	1.6	1.9	2.1	2.5
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
3500	ext, int	1.0	1.2	1.4	1.6	1.8	2.2
	marriage	1.1	1.3	1.5	1.7	2.0	2.4
4000	ext, int	1.0	1.0	1.2	1.4	1.6	1.9
	marriage	1.0	1.1	1.3	1.5	1.7	2.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.3	9.8	11.4	12.9	14.4	16.0
1500	marriage	5.5	6.6	7.6	8.6	9.6	10.6
2000	marriage	4.1	4.9	5.7	6.4	7.2	8.0
2500	marriage	3.3	3.9	4.5	5.2	5.8	6.4
3000	marriage	2.8	3.3	3.8	4.3	4.8	5.3
3500	marriage	2.4	2.8	3.2	3.7	4.1	4.6
4000	marriage	2.1	2.5	2.8	3.2	3.6	4.0

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.4	4.0	4.7	5.4	6.1	7.4
	marriage	3.6	4.3	5.0	5.8	6.5	8.0
1500	ext, int	2.3	2.7	3.1	3.6	4.0	4.9
	marriage	2.4	2.9	3.4	3.9	4.3	5.3
2000	ext, int	1.7	2.0	2.4	2.7	3.0	3.7
	marriage	1.8	2.1	2.5	2.9	3.3	4.0
2500	ext, int	1.4	1.6	1.9	2.2	2.4	3.0
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
3000	ext, int	1.1	1.3	1.6	1.8	2.0	2.5
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
3500	ext, int	1.0	1.2	1.3	1.5	1.7	2.1
	marriage	1.0	1.2	1.4	1.7	1.9	2.3
4000	ext, int	1.0	1.0	1.2	1.3	1.5	1.8
	marriage	1.0	1.1	1.3	1.4	1.6	2.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.8	9.3	10.7	12.1	13.6	15.0
1500	marriage	5.2	6.2	7.1	8.1	9.0	10.0
2000	marriage	3.9	4.6	5.3	6.1	6.8	7.5
2500	marriage	3.1	3.7	4.3	4.9	5.4	6.0
3000	marriage	2.6	3.1	3.6	4.0	4.5	5.0
3500	marriage	2.2	2.6	3.1	3.5	3.9	4.3
4000	marriage	2.0	2.3	2.7	3.0	3.4	3.8

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.7	4.4	5.1	5.9	6.6	8.1
	marriage	4.1	5.0	5.9	6.8	7.7	9.4
1500	ext, int	2.4	2.9	3.4	3.9	4.4	5.4
	marriage	2.8	3.3	3.9	4.5	5.1	6.3
2000	ext, int	1.8	2.2	2.6	2.9	3.3	4.1
	marriage	2.1	2.5	3.0	3.4	3.8	4.7
2500	ext, int	1.5	1.8	2.1	2.4	2.7	3.2
	marriage	1.7	2.0	2.4	2.7	3.1	3.8
3000	ext, int	1.2	1.5	1.7	2.0	2.2	2.7
	marriage	1.4	1.7	2.0	2.3	2.6	3.1
3500	ext, int	1.0	1.3	1.5	1.7	1.9	2.3
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
4000	ext, int	1.0	1.1	1.3	1.5	1.7	2.0
	marriage	1.0	1.3	1.5	1.7	1.9	2.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.2	11.0	12.7	14.4	16.2	17.9
1500	marriage	6.2	7.3	8.5	9.6	10.8	11.9
2000	marriage	4.6	5.5	6.3	7.2	8.1	8.9
2500	marriage	3.7	4.4	5.1	5.8	6.5	7.2
3000	marriage	3.1	3.7	4.2	4.8	5.4	6.0
3500	marriage	2.6	3.1	3.6	4.1	4.6	5.1
4000	marriage	2.3	2.7	3.2	3.6	4.0	4.5

* Minimum exterior and interior pier area is 1.0 sqft

Aftg C 14'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 50 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	3.9	4.6	5.4	6.2	7.0	8.6
	marriage	4.5	5.5	6.5	7.5	8.4	10.4
1500	ext, int	2.6	3.1	3.6	4.1	4.7	5.7
	marriage	3.0	3.7	4.3	5.0	5.6	6.9
2000	ext, int	1.9	2.3	2.7	3.1	3.5	4.3
	marriage	2.3	2.7	3.2	3.7	4.2	5.2
2500	ext, int	1.5	1.9	2.2	2.5	2.8	3.4
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3000	ext, int	1.3	1.5	1.8	2.1	2.3	2.9
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
3500	ext, int	1.1	1.3	1.6	1.8	2.0	2.5
	marriage	1.3	1.6	1.8	2.1	2.4	3.0
4000	ext, int	1.0	1.2	1.4	1.6	1.8	2.1
	marriage	1.1	1.4	1.6	1.9	2.1	2.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.2	12.1	14.0	16.0	17.9	19.8
1500	marriage	6.8	8.1	9.4	10.6	11.9	13.2
2000	marriage	5.1	6.1	7.0	8.0	8.9	9.9
2500	marriage	4.1	4.8	5.6	6.4	7.1	7.9
3000	marriage	3.4	4.0	4.7	5.3	6.0	6.6
3500	marriage	2.9	3.5	4.0	4.6	5.1	5.7
4000	marriage	2.6	3.0	3.5	4.0	4.5	4.9


Ground Snow: 70 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	4.2	5.1	6.0	6.9	7.8	9.5
	marriage	5.3	6.5	7.6	8.8	10.0	12.3
1500	ext, int	2.8	3.4	4.0	4.6	5.2	6.4
	marriage	3.5	4.3	5.1	5.9	6.6	8.2
2000	ext, int	2.1	2.6	3.0	3.4	3.9	4.8
	marriage	2.6	3.2	3.8	4.4	5.0	6.2
2500	ext, int	1.7	2.0	2.4	2.8	3.1	3.8
	marriage	2.1	2.6	3.0	3.5	4.0	4.9
3000	ext, int	1.4	1.7	2.0	2.3	2.6	3.2
	marriage	1.8	2.2	2.5	2.9	3.3	4.1
3500	ext, int	1.2	1.5	1.7	2.0	2.2	2.7
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
4000	ext, int	1.1	1.3	1.5	1.7	1.9	2.4
	marriage	1.3	1.6	1.9	2.2	2.5	3.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.1	14.4	16.7	19.0	21.3	23.6
1500	marriage	8.1	9.6	11.1	12.7	14.2	15.7
2000	marriage	6.1	7.2	8.4	9.5	10.7	11.8
2500	marriage	4.8	5.8	6.7	7.6	8.5	9.4
3000	marriage	4.0	4.8	5.6	6.3	7.1	7.9
3500	marriage	3.5	4.1	4.8	5.4	6.1	6.7
4000	marriage	3.0	3.6	4.2	4.8	5.3	5.9

Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	4.0	4.9	5.7	6.6	7.4	9.1
	marriage	4.9	6.0	7.0	8.1	9.2	11.4
1500	ext, int	2.7	3.3	3.8	4.4	4.9	6.0
	marriage	3.3	4.0	4.7	5.4	6.1	7.6
2000	ext, int	2.0	2.4	2.9	3.3	3.7	4.5
	marriage	2.4	3.0	3.5	4.1	4.6	5.7
2500	ext, int	1.6	2.0	2.3	2.6	3.0	3.6
	marriage	2.0	2.4	2.8	3.3	3.7	4.5
3000	ext, int	1.3	1.6	1.9	2.2	2.5	3.0
	marriage	1.6	2.0	2.3	2.7	3.1	3.8
3500	ext, int	1.2	1.4	1.6	1.9	2.1	2.6
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
4000	ext, int	1.0	1.2	1.4	1.6	1.8	2.3
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.2	13.3	15.4	17.5	19.6	21.7
1500	marriage	7.4	8.8	10.3	11.7	13.1	14.5
2000	marriage	5.6	6.6	7.7	8.7	9.8	10.9
2500	marriage	4.5	5.3	6.2	7.0	7.8	8.7
3000	marriage	3.7	4.4	5.1	5.8	6.5	7.2
3500	marriage	3.2	3.8	4.4	5.0	5.6	6.2
4000	marriage	2.8	3.3	3.8	4.4	4.9	5.4

Ground Snow: 80 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	4.4	5.4	6.3	7.2	8.2	10.0
	marriage	5.7	6.9	8.2	9.5	10.7	13.3
1500	ext, int	3.0	3.6	4.2	4.8	5.4	6.7
	marriage	3.8	4.6	5.5	6.3	7.2	8.8
2000	ext, int	2.2	2.7	3.1	3.6	4.1	5.0
	marriage	2.8	3.5	4.1	4.7	5.4	6.6
2500	ext, int	1.8	2.1	2.5	2.9	3.3	4.0
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
3000	ext, int	1.5	1.8	2.1	2.4	2.7	3.3
	marriage	1.9	2.3	2.7	3.2	3.6	4.4
3500	ext, int	1.3	1.5	1.8	2.1	2.3	2.9
	marriage	1.6	2.0	2.3	2.7	3.1	3.8
4000	ext, int	1.1	1.3	1.6	1.8	2.0	2.5
	marriage	1.4	1.7	2.0	2.4	2.7	3.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.1	15.6	18.1	20.5	23.0	25.5
1500	marriage	8.7	10.4	12.0	13.7	15.4	17.0
2000	marriage	6.5	7.8	9.0	10.3	11.5	12.8
2500	marriage	5.2	6.2	7.2	8.2	9.2	10.2
3000	marriage	4.4	5.2	6.0	6.8	7.7	8.5
3500	marriage	3.7	4.4	5.2	5.9	6.6	7.3
4000	marriage	3.3	3.9	4.5	5.1	5.8	6.4

* Minimum exterior and interior pier area is 1.0 sqft

Required Effective Footing Area - Aftg (sqft) *

 Multi-Section Width	Aftg
	C
	14'

Ground Snow: 90 psf						
Net Soil		Pier Spacing (ft)				
Pres (psf)		4	5	6	7	8
1000	ext, int	4.6	5.6	6.6	7.6	8.5
	marriage	6.0	7.4	8.8	10.1	11.5
1500	ext, int	3.1	3.7	4.4	5.0	5.7
	marriage	4.0	4.9	5.8	6.8	7.7
2000	ext, int	2.3	2.8	3.3	3.8	4.3
	marriage	3.0	3.7	4.4	5.1	5.7
2500	ext, int	1.8	2.2	2.6	3.0	3.4
	marriage	2.4	3.0	3.5	4.1	4.6
3000	ext, int	1.5	1.9	2.2	2.5	2.8
	marriage	2.0	2.5	2.9	3.4	3.8
3500	ext, int	1.3	1.6	1.9	2.2	2.4
	marriage	1.7	2.1	2.5	2.9	3.3
4000	ext, int	1.2	1.4	1.6	1.9	2.1
	marriage	1.5	1.9	2.2	2.5	2.9
Net Soil		Marriage Wall Opening Width (ft)				
Pres (psf)		10	12	14	16	18
1000	marriage	14.0	16.7	19.4	22.1	24.8
1500	marriage	9.4	11.1	12.9	14.7	16.5
2000	marriage	7.0	8.4	9.7	11.0	12.4
2500	marriage	5.6	6.7	7.8	8.8	9.9
3000	marriage	4.7	5.6	6.5	7.4	8.3
3500	marriage	4.0	4.8	5.5	6.3	7.1
4000	marriage	3.5	4.2	4.8	5.5	6.2

Ground Snow: 100 psf						
Net Soil		Pier Spacing (ft)				
Pres (psf)		4	5	6	7	8
1000	ext, int	4.8	5.8	6.9	7.9	8.9
	marriage	6.4	7.9	9.3	10.8	12.3
1500	ext, int	3.2	3.9	4.6	5.3	6.0
	marriage	4.3	5.3	6.2	7.2	8.2
2000	ext, int	2.4	2.9	3.4	3.9	4.5
	marriage	3.2	3.9	4.7	5.4	6.1
2500	ext, int	1.9	2.3	2.7	3.2	3.6
	marriage	2.6	3.2	3.7	4.3	4.9
3000	ext, int	1.6	1.9	2.3	2.6	3.0
	marriage	2.1	2.6	3.1	3.6	4.1
3500	ext, int	1.4	1.7	2.0	2.3	2.6
	marriage	1.8	2.3	2.7	3.1	3.5
4000	ext, int	1.2	1.5	1.7	2.0	2.2
	marriage	1.6	2.0	2.3	2.7	3.1
Net Soil		Marriage Wall Opening Width (ft)				
Pres (psf)		10	12	14	16	18
1000	marriage	15.0	17.9	20.7	23.6	26.5
1500	marriage	10.0	11.9	13.8	15.7	17.7
2000	marriage	7.5	8.9	10.4	11.8	13.2
2500	marriage	6.0	7.1	8.3	9.4	10.6
3000	marriage	5.0	6.0	6.9	7.9	8.8
3500	marriage	4.3	5.1	5.9	6.7	7.6
4000	marriage	3.7	4.5	5.2	5.9	6.6

* Minimum exterior and interior pier area is 1.0 sqft.

Aftg C 16'	 Multi-Section Width
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Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	3.6	4.4	5.1	5.8	6.6	8.0
	marriage	3.7	4.5	5.3	6.1	6.9	8.5
1500	ext. int	2.4	2.9	3.4	3.9	4.4	5.4
	marriage	2.5	3.0	3.6	4.1	4.6	5.7
2000	ext. int	1.8	2.2	2.5	2.9	3.3	4.0
	marriage	1.9	2.3	2.7	3.1	3.5	4.2
2500	ext. int	1.5	1.7	2.0	2.3	2.6	3.2
	marriage	1.5	1.8	2.1	2.4	2.8	3.4
3000	ext. int	1.2	1.5	1.7	1.9	2.2	2.7
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
3500	ext. int	1.0	1.2	1.5	1.7	1.9	2.3
	marriage	1.1	1.3	1.5	1.7	2.0	2.4
4000	ext. int	1.0	1.1	1.3	1.5	1.6	2.0
	marriage	1.0	1.1	1.3	1.5	1.7	2.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.3	9.8	11.4	12.9	14.4	16.0
1500	marriage	5.5	6.6	7.6	8.6	9.6	10.6
2000	marriage	4.1	4.9	5.7	6.5	7.2	8.0
2500	marriage	3.3	3.9	4.5	5.2	5.8	6.4
3000	marriage	2.8	3.3	3.8	4.3	4.8	5.3
3500	marriage	2.4	2.8	3.2	3.7	4.1	4.6
4000	marriage	2.1	2.5	2.8	3.2	3.6	4.0

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	3.8	4.6	5.4	6.2	6.9	8.5
	marriage	4.1	5.0	5.9	6.8	7.7	9.4
1500	ext. int	2.5	3.1	3.6	4.1	4.6	5.7
	marriage	2.7	3.3	3.9	4.5	5.1	6.3
2000	ext. int	1.9	2.3	2.7	3.1	3.5	4.2
	marriage	2.1	2.5	2.9	3.4	3.8	4.7
2500	ext. int	1.5	1.8	2.2	2.5	2.8	3.4
	marriage	1.6	2.0	2.4	2.7	3.1	3.8
3000	ext. int	1.3	1.5	1.8	2.1	2.3	2.8
	marriage	1.4	1.7	2.0	2.3	2.6	3.1
3500	ext. int	1.1	1.3	1.5	1.8	2.0	2.4
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
4000	ext. int	1.0	1.1	1.3	1.5	1.7	2.1
	marriage	1.0	1.3	1.5	1.7	1.9	2.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.2	10.9	12.7	14.4	16.1	17.8
1500	marriage	6.2	7.3	8.4	9.6	10.7	11.9
2000	marriage	4.6	5.5	6.3	7.2	8.1	8.9
2500	marriage	3.7	4.4	5.1	5.8	6.4	7.1
3000	marriage	3.1	3.6	4.2	4.8	5.4	5.9
3500	marriage	2.6	3.1	3.6	4.1	4.6	5.1
4000	marriage	2.3	2.7	3.2	3.6	4.0	4.5


Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	3.7	4.5	5.2	6.0	6.7	8.2
	marriage	3.9	4.7	5.6	6.4	7.2	8.9
1500	ext. int	2.5	3.0	3.5	4.0	4.5	5.5
	marriage	2.6	3.2	3.7	4.3	4.8	5.9
2000	ext. int	1.9	2.2	2.6	3.0	3.4	4.1
	marriage	2.0	2.4	2.8	3.2	3.6	4.4
2500	ext. int	1.5	1.8	2.1	2.4	2.7	3.3
	marriage	1.6	1.9	2.2	2.6	2.9	3.6
3000	ext. int	1.2	1.5	1.7	2.0	2.2	2.7
	marriage	1.3	1.6	1.9	2.1	2.4	3.0
3500	ext. int	1.1	1.3	1.5	1.7	1.9	2.3
	marriage	1.1	1.4	1.6	1.8	2.1	2.5
4000	ext. int	1.0	1.1	1.3	1.5	1.7	2.1
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.7	10.3	11.9	13.5	15.1	16.7
1500	marriage	5.8	6.9	7.9	9.0	10.1	11.2
2000	marriage	4.3	5.1	6.0	6.8	7.6	8.4
2500	marriage	3.5	4.1	4.8	5.4	6.1	6.7
3000	marriage	2.9	3.4	4.0	4.5	5.0	5.6
3500	marriage	2.5	2.9	3.4	3.9	4.3	4.8
4000	marriage	2.2	2.6	3.0	3.4	3.8	4.2

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	4.0	4.9	5.7	6.5	7.4	9.0
	marriage	4.6	5.5	6.5	7.5	8.5	10.5
1500	ext. int	2.7	3.2	3.8	4.4	4.9	6.0
	marriage	3.0	3.7	4.4	5.0	5.7	7.0
2000	ext. int	2.0	2.4	2.9	3.3	3.7	4.5
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
2500	ext. int	1.6	1.9	2.3	2.6	2.9	3.6
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3000	ext. int	1.3	1.6	1.9	2.2	2.5	3.0
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
3500	ext. int	1.2	1.4	1.6	1.9	2.1	2.6
	marriage	1.3	1.6	1.9	2.2	2.4	3.0
4000	ext. int	1.0	1.2	1.4	1.6	1.8	2.3
	marriage	1.1	1.4	1.6	1.9	2.1	2.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.3	12.2	14.2	16.1	18.1	20.0
1500	marriage	6.9	8.2	9.5	10.7	12.0	13.3
2000	marriage	5.2	6.1	7.1	8.1	9.0	10.0
2500	marriage	4.1	4.9	5.7	6.4	7.2	8.0
3000	marriage	3.4	4.1	4.7	5.4	6.0	6.7
3500	marriage	2.9	3.5	4.1	4.6	5.2	5.7
4000	marriage	2.6	3.1	3.5	4.0	4.5	5.0

* Minimum exterior and interior pier area is 1.0 sqft

Required Effective Footing Area - Aftg (sqft) *

	Aftg C 16'
Multi-Section Width	

Ground Snow: 50 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	4.3	5.1	6.0	6.9	7.8	9.6
	marriage	5.0	6.1	7.2	8.3	9.4	11.6
1500	ext, int	2.8	3.4	4.0	4.6	5.2	6.4
	marriage	3.3	4.1	4.8	5.5	6.3	7.7
2000	ext, int	2.1	2.6	3.0	3.5	3.9	4.8
	marriage	2.5	3.0	3.6	4.1	4.7	5.8
2500	ext, int	1.7	2.1	2.4	2.8	3.1	3.8
	marriage	2.0	2.4	2.9	3.3	3.8	4.6
3000	ext, int	1.4	1.7	2.0	2.3	2.6	3.2
	marriage	1.7	2.0	2.4	2.8	3.1	3.9
3500	ext, int	1.2	1.5	1.7	2.0	2.2	2.7
	marriage	1.4	1.7	2.1	2.4	2.7	3.3
4000	ext, int	1.1	1.3	1.5	1.7	2.0	2.4
	marriage	1.2	1.5	1.8	2.1	2.3	2.9
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	11.4	13.6	15.7	17.9	20.0	22.2
1500	marriage	7.6	9.0	10.5	11.9	13.3	14.8
2000	marriage	5.7	6.8	7.9	8.9	10.0	11.1
2500	marriage	4.6	5.4	6.3	7.1	8.0	8.9
3000	marriage	3.8	4.5	5.2	6.0	6.7	7.4
3500	marriage	3.3	3.9	4.5	5.1	5.7	6.3
4000	marriage	2.8	3.4	3.9	4.5	5.0	5.5

Ground Snow: 70 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	4.7	5.7	6.7	7.7	8.7	10.7
	marriage	5.9	7.2	8.5	9.8	11.1	13.8
1500	ext, int	3.1	3.8	4.5	5.1	5.8	7.1
	marriage	3.9	4.8	5.7	6.5	7.4	9.2
2000	ext, int	2.3	2.8	3.3	3.8	4.3	5.3
	marriage	2.9	3.6	4.2	4.9	5.6	6.9
2500	ext, int	1.9	2.3	2.7	3.1	3.5	4.3
	marriage	2.3	2.9	3.4	3.9	4.5	5.5
3000	ext, int	1.6	1.9	2.2	2.6	2.9	3.6
	marriage	2.0	2.4	2.8	3.3	3.7	4.6
3500	ext, int	1.3	1.6	1.9	2.2	2.5	3.0
	marriage	1.7	2.0	2.4	2.8	3.2	3.9
4000	ext, int	1.2	1.4	1.7	1.9	2.2	2.7
	marriage	1.5	1.8	2.1	2.5	2.8	3.4
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	13.6	16.2	18.7	21.3	23.9	26.5
1500	marriage	9.0	10.8	12.5	14.2	15.9	17.7
2000	marriage	6.8	8.1	9.4	10.7	12.0	13.3
2500	marriage	5.4	6.5	7.5	8.5	9.6	10.6
3000	marriage	4.5	5.4	6.2	7.1	8.0	8.8
3500	marriage	3.9	4.6	5.4	6.1	6.8	7.6
4000	marriage	3.4	4.0	4.7	5.3	6.0	6.6

Ground Snow: 60 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	4.5	5.4	6.4	7.3	8.2	10.1
	marriage	5.4	6.6	7.8	9.0	10.3	12.7
1500	ext, int	3.0	3.6	4.2	4.9	5.5	6.7
	marriage	3.6	4.4	5.2	6.0	6.8	8.5
2000	ext, int	2.2	2.7	3.2	3.6	4.1	5.1
	marriage	2.7	3.3	3.9	4.5	5.1	6.3
2500	ext, int	1.8	2.2	2.5	2.9	3.3	4.0
	marriage	2.2	2.7	3.1	3.6	4.1	5.1
3000	ext, int	1.5	1.8	2.1	2.4	2.7	3.4
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3500	ext, int	1.3	1.5	1.8	2.1	2.4	2.9
	marriage	1.5	1.9	2.2	2.6	2.9	3.6
4000	ext, int	1.1	1.4	1.6	1.8	2.1	2.5
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	12.5	14.9	17.2	19.6	22.0	24.3
1500	marriage	8.3	9.9	11.5	13.1	14.6	16.2
2000	marriage	6.2	7.4	8.6	9.8	11.0	12.2
2500	marriage	5.0	5.9	6.9	7.8	8.8	9.7
3000	marriage	4.2	5.0	5.7	6.5	7.3	8.1
3500	marriage	3.6	4.2	4.9	5.6	6.3	7.0
4000	marriage	3.1	3.7	4.3	4.9	5.5	6.1

Ground Snow: 80 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	4.9	6.0	7.0	8.1	9.1	11.2
	marriage	6.3	7.7	9.1	10.6	12.0	14.8
1500	ext, int	3.3	4.0	4.7	5.4	6.1	7.5
	marriage	4.2	5.1	6.1	7.0	8.0	9.9
2000	ext, int	2.5	3.0	3.5	4.0	4.6	5.6
	marriage	3.1	3.9	4.6	5.3	6.0	7.4
2500	ext, int	2.0	2.4	2.8	3.2	3.6	4.5
	marriage	2.5	3.1	3.7	4.2	4.8	5.9
3000	ext, int	1.6	2.0	2.3	2.7	3.0	3.7
	marriage	2.1	2.6	3.0	3.5	4.0	4.9
3500	ext, int	1.4	1.7	2.0	2.3	2.6	3.2
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
4000	ext, int	1.2	1.5	1.8	2.0	2.3	2.8
	marriage	1.6	1.9	2.3	2.6	3.0	3.7
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	14.7	17.5	20.3	23.1	25.9	28.7
1500	marriage	9.8	11.6	13.5	15.4	17.2	19.1
2000	marriage	7.3	8.7	10.1	11.5	12.9	14.3
2500	marriage	5.9	7.0	8.1	9.2	10.3	11.5
3000	marriage	4.9	5.8	6.8	7.7	8.6	9.6
3500	marriage	4.2	5.0	5.8	6.6	7.4	8.2
4000	marriage	3.7	4.4	5.1	5.8	6.5	7.2

* Minimum exterior and interior pier area is 10 sqft

Aftg C 16'	 Multi-Section Width
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Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	5.1	6.2	7.3	8.4	9.5	11.7
	marriage	6.7	8.3	9.8	11.3	12.9	15.9
1500	ext, int	3.4	4.1	4.9	5.6	6.4	7.8
	marriage	4.5	5.5	6.5	7.6	8.6	10.6
2000	ext, int	2.6	3.1	3.7	4.2	4.8	5.9
	marriage	3.4	4.1	4.9	5.7	6.4	8.0
2500	ext, int	2.0	2.5	2.9	3.4	3.8	4.7
	marriage	2.7	3.3	3.9	4.5	5.1	6.4
3000	ext, int	1.7	2.1	2.4	2.8	3.2	3.9
	marriage	2.2	2.8	3.3	3.8	4.3	5.3
3500	ext, int	1.5	1.8	2.1	2.4	2.7	3.4
	marriage	1.9	2.4	2.8	3.2	3.7	4.6
4000	ext, int	1.3	1.6	1.8	2.1	2.4	2.9
	marriage	1.7	2.1	2.4	2.8	3.2	4.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.7	18.8	21.8	24.8	27.8	30.9
1500	marriage	10.5	12.5	14.5	16.5	18.6	20.6
2000	marriage	7.9	9.4	10.9	12.4	13.9	15.4
2500	marriage	6.3	7.5	8.7	9.9	11.1	12.3
3000	marriage	5.2	6.3	7.3	8.3	9.3	10.3
3500	marriage	4.5	5.4	6.2	7.1	8.0	8.8
4000	marriage	3.9	4.7	5.4	6.2	7.0	7.7

Required Effective Footing Area - Aftg (sqft) *

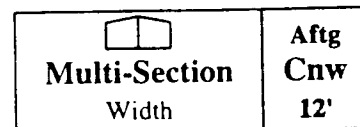
Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	5.3	6.5	7.7	8.8	10.0	12.3
	marriage	7.2	8.8	10.4	12.1	13.7	17.0
1500	ext, int	3.6	4.3	5.1	5.9	6.6	8.2
	marriage	4.8	5.9	7.0	8.1	9.2	11.3
2000	ext, int	2.7	3.2	3.8	4.4	5.0	6.1
	marriage	3.6	4.4	5.2	6.0	6.9	8.5
2500	ext, int	2.1	2.6	3.1	3.5	4.0	4.9
	marriage	2.9	3.5	4.2	4.8	5.5	6.8
3000	ext, int	1.8	2.2	2.6	2.9	3.3	4.1
	marriage	2.4	2.9	3.5	4.0	4.6	5.7
3500	ext, int	1.5	1.9	2.2	2.5	2.8	3.5
	marriage	2.0	2.5	3.0	3.5	3.9	4.9
4000	ext, int	1.3	1.6	1.9	2.2	2.5	3.1
	marriage	1.8	2.2	2.6	3.0	3.4	4.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	16.8	20.1	23.3	26.5	29.8	33.0
1500	marriage	11.2	13.4	15.5	17.7	19.9	22.0
2000	marriage	8.4	10.0	11.7	13.3	14.9	16.5
2500	marriage	6.7	8.0	9.3	10.6	11.9	13.2
3000	marriage	5.6	6.7	7.8	8.8	9.9	11.0
3500	marriage	4.8	5.7	6.7	7.6	8.5	9.4
4000	marriage	4.2	5.0	5.8	6.6	7.4	8.3

* Minimum exterior and interior pier area is 1.0 sqft

Multi-Section Cnw

Required Effective Footing Area - Aftg (sqft) *

Min. Roof: 15 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	pier	3.0	3.5	4.1	4.7	5.2	6.3
1500	pier	2.0	2.3	2.7	3.1	3.5	4.2
2000	pier	1.5	1.8	2.0	2.3	2.6	3.2
2500	pier	1.2	1.4	1.6	1.9	2.1	2.5
3000	pier	1.0	1.2	1.4	1.6	1.7	2.1
3500	pier	1.0	1.0	1.2	1.3	1.5	1.8
4000	pier	1.0	1.0	1.0	1.2	1.3	1.6



Ground Snow: 25 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	pier	3.0	3.6	4.2	4.8	5.3	6.5
1500	pier	2.0	2.4	2.8	3.2	3.6	4.3
2000	pier	1.5	1.8	2.1	2.4	2.7	3.2
2500	pier	1.2	1.4	1.7	1.9	2.1	2.6
3000	pier	1.0	1.2	1.4	1.6	1.8	2.2
3500	pier	1.0	1.0	1.2	1.4	1.5	1.9
4000	pier	1.0	1.0	1.0	1.2	1.3	1.6

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.1	3.7	4.3	4.9	5.5	6.7
1500	pier	2.1	2.5	2.9	3.3	3.7	4.5
2000	pier	1.5	1.8	2.1	2.4	2.7	3.3
2500	pier	1.2	1.5	1.7	2.0	2.2	2.7
3000	pier	1.0	1.2	1.4	1.6	1.8	2.2
3500	pier	1.0	1.1	1.2	1.4	1.6	1.9
4000	pier	1.0	1.0	1.1	1.2	1.4	1.7

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.3	3.9	4.5	5.2	5.8	7.1
1500	pier	2.2	2.6	3.0	3.5	3.9	4.7
2000	pier	1.6	2.0	2.3	2.6	2.9	3.6
2500	pier	1.3	1.6	1.8	2.1	2.3	2.8
3000	pier	1.1	1.3	1.5	1.7	1.9	2.4
3500	pier	1.0	1.1	1.3	1.5	1.7	2.0
4000	pier	1.0	1.0	1.1	1.3	1.5	1.8

Ground Snow: 50 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	pier	3.4	4.1	4.8	5.5	6.2	7.5
1500	pier	2.3	2.7	3.2	3.6	4.1	5.0
2000	pier	1.7	2.1	2.4	2.7	3.1	3.8
2500	pier	1.4	1.6	1.9	2.2	2.5	3.0
3000	pier	1.1	1.4	1.6	1.8	2.1	2.5
3500	pier	1.0	1.2	1.4	1.6	1.8	2.1
4000	pier	1.0	1.0	1.2	1.4	1.5	1.9

Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.6	4.3	5.0	5.8	6.5	7.9
1500	pier	2.4	2.9	3.4	3.8	4.3	5.3
2000	pier	1.8	2.2	2.5	2.9	3.2	4.0
2500	pier	1.4	1.7	2.0	2.3	2.6	3.2
3000	pier	1.2	1.4	1.7	1.9	2.2	2.6
3500	pier	1.0	1.2	1.4	1.6	1.9	2.3
4000	pier	1.0	1.1	1.3	1.4	1.6	2.0

Ground Snow: 70 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	pier	3.8	4.5	5.3	6.0	6.8	8.3
1500	pier	2.5	3.0	3.5	4.0	4.5	5.6
2000	pier	1.9	2.3	2.6	3.0	3.4	4.2
2500	pier	1.5	1.8	2.1	2.4	2.7	3.3
3000	pier	1.3	1.5	1.8	2.0	2.3	2.8
3500	pier	1.1	1.3	1.5	1.7	1.9	2.4
4000	pier	1.0	1.1	1.3	1.5	1.7	2.1

* Minimum exterior and interior pier area is 1.0 sqft.

Aftg Cnw 12'	 Multi-Section Width
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Ground Snow: 80 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.9	4.7	5.5	6.3	7.1	8.7
1500	pier	2.6	3.1	3.7	4.2	4.8	5.8
2000	pier	2.0	2.4	2.8	3.2	3.6	4.4
2500	pier	1.6	1.9	2.2	2.5	2.9	3.5
3000	pier	1.3	1.6	1.8	2.1	2.4	2.9
3500	pier	1.1	1.3	1.6	1.8	2.0	2.5
4000	pier	1.0	1.2	1.4	1.6	1.8	2.2

Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.2	5.1	6.0	6.9	7.8	9.6
1500	pier	2.8	3.4	4.0	4.6	5.2	6.4
2000	pier	2.1	2.6	3.0	3.4	3.9	4.8
2500	pier	1.7	2.1	2.4	2.8	3.1	3.8
3000	pier	1.4	1.7	2.0	2.3	2.6	3.2
3500	pier	1.2	1.5	1.7	2.0	2.2	2.7
4000	pier	1.1	1.3	1.5	1.7	1.9	2.4

Aftg Cnw 14'	 Multi-Section Width
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Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.3	4.0	4.6	5.3	5.9	7.2
1500	pier	2.2	2.6	3.1	3.5	3.9	4.8
2000	pier	1.7	2.0	2.3	2.6	3.0	3.6
2500	pier	1.3	1.6	1.8	2.1	2.4	2.9
3000	pier	1.1	1.3	1.5	1.8	2.0	2.4
3500	pier	1.0	1.1	1.3	1.5	1.7	2.1
4000	pier	1.0	1.0	1.2	1.3	1.5	1.8

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.5	4.2	4.9	5.6	6.2	7.6
1500	pier	2.3	2.8	3.2	3.7	4.2	5.1
2000	pier	1.7	2.1	2.4	2.8	3.1	3.8
2500	pier	1.4	1.7	1.9	2.2	2.5	3.1
3000	pier	1.2	1.4	1.6	1.9	2.1	2.5
3500	pier	1.0	1.2	1.4	1.6	1.8	2.2
4000	pier	1.0	1.0	1.2	1.4	1.6	1.9

* Minimum exterior and interior pier area is 1.0 sqft

Required Effective Footing Area - Aftg (sqft) *


Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.1	4.9	5.8	6.6	7.5	9.1
1500	pier	2.7	3.3	3.8	4.4	5.0	6.1
2000	pier	2.0	2.5	2.9	3.3	3.7	4.6
2500	pier	1.6	2.0	2.3	2.6	3.0	3.7
3000	pier	1.4	1.6	1.9	2.2	2.5	3.0
3500	pier	1.2	1.4	1.6	1.9	2.1	2.6
4000	pier	1.0	1.2	1.4	1.7	1.9	2.3

Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.4	4.0	4.7	5.4	6.1	7.4
1500	pier	2.3	2.7	3.1	3.6	4.0	4.9
2000	pier	1.7	2.0	2.4	2.7	3.0	3.7
2500	pier	1.4	1.6	1.9	2.2	2.4	3.0
3000	pier	1.1	1.3	1.6	1.8	2.0	2.5
3500	pier	1.0	1.2	1.3	1.5	1.7	2.1
4000	pier	1.0	1.0	1.2	1.3	1.5	1.8

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.7	4.4	5.1	5.9	6.6	8.1
1500	pier	2.4	2.9	3.4	3.9	4.4	5.4
2000	pier	1.8	2.2	2.6	2.9	3.3	4.1
2500	pier	1.5	1.8	2.1	2.4	2.7	3.2
3000	pier	1.2	1.5	1.7	2.0	2.2	2.7
3500	pier	1.0	1.3	1.5	1.7	1.9	2.3
4000	pier	1.0	1.1	1.3	1.5	1.7	2.0

Required Effective Footing Area - Aftg (sqft) *

	Aftg Cnw 14'
Multi-Section Width	

Ground Snow: 50 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.9	4.6	5.4	6.2	7.0	8.6
1500	pier	2.6	3.1	3.6	4.1	4.7	5.7
2000	pier	1.9	2.3	2.7	3.1	3.5	4.3
2500	pier	1.5	1.9	2.2	2.5	2.8	3.4
3000	pier	1.3	1.5	1.8	2.1	2.3	2.9
3500	pier	1.1	1.3	1.6	1.8	2.0	2.5
4000	pier	1.0	1.2	1.4	1.6	1.8	2.1

Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.0	4.9	5.7	6.6	7.4	9.1
1500	pier	2.7	3.3	3.8	4.4	4.9	6.0
2000	pier	2.0	2.4	2.9	3.3	3.7	4.5
2500	pier	1.6	2.0	2.3	2.6	3.0	3.6
3000	pier	1.3	1.6	1.9	2.2	2.5	3.0
3500	pier	1.2	1.4	1.6	1.9	2.1	2.6
4000	pier	1.0	1.2	1.4	1.6	1.8	2.3


Ground Snow: 70 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.2	5.1	6.0	6.9	7.8	9.5
1500	pier	2.8	3.4	4.0	4.6	5.2	6.4
2000	pier	2.1	2.6	3.0	3.4	3.9	4.8
2500	pier	1.7	2.0	2.4	2.8	3.1	3.8
3000	pier	1.4	1.7	2.0	2.3	2.6	3.2
3500	pier	1.2	1.5	1.7	2.0	2.2	2.7
4000	pier	1.1	1.3	1.5	1.7	1.9	2.4

Ground Snow: 80 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.4	5.4	6.3	7.2	8.2	10.0
1500	pier	3.0	3.6	4.2	4.8	5.4	6.7
2000	pier	2.2	2.7	3.1	3.6	4.1	5.0
2500	pier	1.8	2.1	2.5	2.9	3.3	4.0
3000	pier	1.5	1.8	2.1	2.4	2.7	3.3
3500	pier	1.3	1.5	1.8	2.1	2.3	2.9
4000	pier	1.1	1.3	1.6	1.8	2.0	2.5

Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.6	5.6	6.6	7.6	8.5	10.5
1500	pier	3.1	3.7	4.4	5.0	5.7	7.0
2000	pier	2.3	2.8	3.3	3.8	4.3	5.3
2500	pier	1.8	2.2	2.6	3.0	3.4	4.2
3000	pier	1.5	1.9	2.2	2.5	2.8	3.5
3500	pier	1.3	1.6	1.9	2.2	2.4	3.0
4000	pier	1.2	1.4	1.6	1.9	2.1	2.6

Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.8	5.8	6.9	7.9	8.9	11.0
1500	pier	3.2	3.9	4.6	5.3	6.0	7.3
2000	pier	2.4	2.9	3.4	3.9	4.5	5.5
2500	pier	1.9	2.3	2.7	3.2	3.6	4.4
3000	pier	1.6	1.9	2.3	2.6	3.0	3.7
3500	pier	1.4	1.7	2.0	2.3	2.6	3.1
4000	pier	1.2	1.5	1.7	2.0	2.2	2.7

Required Effective Footing Area - Aftg (sqft) *

	Aftg Cnw 16'
Multi-Section Width	

Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.6	4.4	5.1	5.8	6.6	8.0
1500	pier	2.4	2.9	3.4	3.9	4.4	5.4
2000	pier	1.8	2.2	2.5	2.9	3.3	4.0
2500	pier	1.5	1.7	2.0	2.3	2.6	3.2
3000	pier	1.2	1.5	1.7	1.9	2.2	2.7
3500	pier	1.0	1.2	1.5	1.7	1.9	2.3
4000	pier	1.0	1.1	1.3	1.5	1.6	2.0

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.7	4.5	5.2	6.0	6.7	8.2
1500	pier	2.5	3.0	3.5	4.0	4.5	5.5
2000	pier	1.9	2.2	2.6	3.0	3.4	4.1
2500	pier	1.5	1.8	2.1	2.4	2.7	3.3
3000	pier	1.2	1.5	1.7	2.0	2.2	2.7
3500	pier	1.1	1.3	1.5	1.7	1.9	2.3
4000	pier	1.0	1.1	1.3	1.5	1.7	2.1

* Minimum exterior and interior pier area is 1.0 sqft

Aftg Cnw 16'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	3.8	4.6	5.4	6.2	6.9	8.5
1500	pier	2.5	3.1	3.6	4.1	4.6	5.7
2000	pier	1.9	2.3	2.7	3.1	3.5	4.2
2500	pier	1.5	1.8	2.2	2.5	2.8	3.4
3000	pier	1.3	1.5	1.8	2.1	2.3	2.8
3500	pier	1.1	1.3	1.5	1.8	2.0	2.4
4000	pier	1.0	1.1	1.3	1.5	1.7	2.1

Ground Snow: 50 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.3	5.1	6.0	6.9	7.8	9.6
1500	pier	2.8	3.4	4.0	4.6	5.2	6.4
2000	pier	2.1	2.6	3.0	3.5	3.9	4.8
2500	pier	1.7	2.1	2.4	2.8	3.1	3.8
3000	pier	1.4	1.7	2.0	2.3	2.6	3.2
3500	pier	1.2	1.5	1.7	2.0	2.2	2.7
4000	pier	1.1	1.3	1.5	1.7	2.0	2.4

Ground Snow: 70 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.7	5.7	6.7	7.7	8.7	10.7
1500	pier	3.1	3.8	4.5	5.1	5.8	7.1
2000	pier	2.3	2.8	3.3	3.8	4.3	5.3
2500	pier	1.9	2.3	2.7	3.1	3.5	4.3
3000	pier	1.6	1.9	2.2	2.6	2.9	3.6
3500	pier	1.3	1.6	1.9	2.2	2.5	3.0
4000	pier	1.2	1.4	1.7	1.9	2.2	2.7

Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	5.1	6.2	7.3	8.4	9.5	11.7
1500	pier	3.4	4.1	4.9	5.6	6.4	7.8
2000	pier	2.6	3.1	3.7	4.2	4.8	5.9
2500	pier	2.0	2.5	2.9	3.4	3.8	4.7
3000	pier	1.7	2.1	2.4	2.8	3.2	3.9
3500	pier	1.5	1.8	2.1	2.4	2.7	3.4
4000	pier	1.3	1.6	1.8	2.1	2.4	2.9

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.0	4.9	5.7	6.5	7.4	9.0
1500	pier	2.7	3.2	3.8	4.4	4.9	6.0
2000	pier	2.0	2.4	2.9	3.3	3.7	4.5
2500	pier	1.6	1.9	2.3	2.6	2.9	3.6
3000	pier	1.3	1.6	1.9	2.2	2.5	3.0
3500	pier	1.2	1.4	1.6	1.9	2.1	2.6
4000	pier	1.0	1.2	1.4	1.6	1.8	2.3

Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.5	5.4	6.4	7.3	8.2	10.1
1500	pier	3.0	3.6	4.2	4.9	5.5	6.7
2000	pier	2.2	2.7	3.2	3.6	4.1	5.1
2500	pier	1.8	2.2	2.5	2.9	3.3	4.0
3000	pier	1.5	1.8	2.1	2.4	2.7	3.4
3500	pier	1.3	1.5	1.8	2.1	2.4	2.9
4000	pier	1.1	1.4	1.6	1.8	2.1	2.5

Ground Snow: 80 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	4.9	6.0	7.0	8.1	9.1	11.2
1500	pier	3.3	4.0	4.7	5.4	6.1	7.5
2000	pier	2.5	3.0	3.5	4.0	4.6	5.6
2500	pier	2.0	2.4	2.8	3.2	3.6	4.5
3000	pier	1.6	2.0	2.3	2.7	3.0	3.7
3500	pier	1.4	1.7	2.0	2.3	2.6	3.2
4000	pier	1.2	1.5	1.8	2.0	2.3	2.8

Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	pier	5.3	6.5	7.7	8.8	10.0	12.3
1500	pier	3.6	4.3	5.1	5.9	6.6	8.2
2000	pier	2.7	3.2	3.8	4.4	5.0	6.1
2500	pier	2.1	2.6	3.1	3.5	4.0	4.9
3000	pier	1.8	2.2	2.6	2.9	3.3	4.1
3500	pier	1.5	1.9	2.2	2.5	2.8	3.5
4000	pier	1.3	1.6	1.9	2.2	2.5	3.1

* Minimum exterior and interior pier area is 1.0 sqft.

Multi-Section E, I

Required Effective Footing Area - Aftg (sqft) *

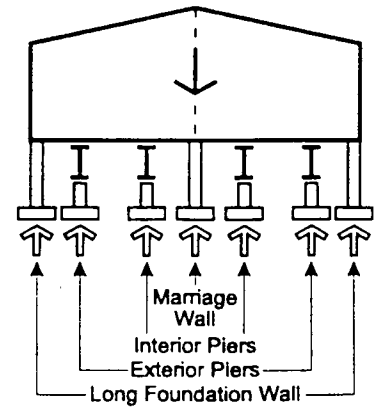
Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	3.0	3.6	4.2	4.8	5.4	6.6
1500	ext. int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	2.0	2.4	2.8	3.2	3.6	4.4
2000	ext. int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	1.5	1.8	2.1	2.4	2.7	3.3
2500	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.2	1.4	1.7	1.9	2.2	2.6
3000	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.0	1.2	1.4	1.5	1.9
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.0	1.0	1.2	1.3	1.6

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	6.4	7.5	8.7	9.9	11.0	12.2
	marriage	4.3	5.0	5.8	6.6	7.3	8.1
1500	marriage	3.2	3.8	4.3	4.9	5.5	6.1
	marriage	2.6	3.0	3.5	3.9	4.4	4.9
2000	marriage	2.1	2.5	2.9	3.3	3.7	4.1
	marriage	1.8	2.2	2.5	2.8	3.1	3.5
3500	marriage	1.6	1.9	2.2	2.5	2.8	3.0
	marriage	1.6	1.9	2.2	2.5	2.8	3.0

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	3.1	3.7	4.4	5.0	5.6	6.9
1500	ext. int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	2.1	2.5	2.9	3.3	3.7	4.6
2000	ext. int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	1.6	1.9	2.2	2.5	2.8	3.4
2500	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.2	1.5	1.7	2.0	2.2	2.8
3000	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.0	1.2	1.5	1.7	1.9	2.3
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.1	1.2	1.4	1.6	2.0
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.0	1.1	1.2	1.4	1.7

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	6.7	7.9	9.1	10.3	11.5	12.7
	marriage	4.5	5.3	6.1	6.9	7.7	8.5
1500	marriage	3.3	3.9	4.6	5.2	5.8	6.4
	marriage	2.7	3.2	3.6	4.1	4.6	5.1
2000	marriage	2.2	2.6	3.0	3.4	3.8	4.2
	marriage	1.9	2.3	2.6	2.9	3.3	3.6
3500	marriage	1.7	2.0	2.3	2.6	2.9	3.2
	marriage	1.7	2.0	2.3	2.6	2.9	3.2

Multi-Section Width	Aftg E, I 12'
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Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	3.3	3.9	4.6	5.3	5.9	7.3
1500	ext. int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	2.2	2.6	3.1	3.5	4.0	4.9
2000	ext. int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	1.6	2.0	2.3	2.6	3.0	3.6
2500	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.3	1.6	1.8	2.1	2.4	2.9
3000	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.1	1.3	1.5	1.8	2.0	2.4
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.1	1.3	1.5	1.7	2.1
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.0	1.2	1.3	1.5	1.8

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.1	8.4	9.7	11.0	12.3	13.6
	marriage	4.7	5.6	6.5	7.3	8.2	9.0
1500	marriage	3.5	4.2	4.8	5.5	6.1	6.8
	marriage	2.8	3.4	3.9	4.4	4.9	5.4
2000	marriage	2.4	2.8	3.2	3.7	4.1	4.5
	marriage	2.0	2.4	2.8	3.1	3.5	3.9
3500	marriage	1.8	2.1	2.4	2.7	3.1	3.4
	marriage	1.8	2.1	2.4	2.7	3.1	3.4

* Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0", except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2"

Aftg E, I 12'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	3.6	4.3	5.1	5.8	6.6	8.1
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	2.4	2.9	3.4	3.9	4.4	5.4
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	1.8	2.2	2.5	2.9	3.3	4.1
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.2	1.5	1.7	1.9	2.3
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.1	1.3	1.5	1.6	2.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.9	9.4	10.8	12.3	13.7	15.2
1500	marriage	5.3	6.2	7.2	8.2	9.2	10.1
2000	marriage	4.0	4.7	5.4	6.1	6.9	7.6
2500	marriage	3.2	3.7	4.3	4.9	5.5	6.1
3000	marriage	2.6	3.1	3.6	4.1	4.6	5.1
3500	marriage	2.3	2.7	3.1	3.5	3.9	4.3
4000	marriage	2.0	2.3	2.7	3.1	3.4	3.8


Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	4.2	5.2	6.1	7.0	7.9	9.7
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	2.8	3.4	4.1	4.7	5.3	6.5
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	2.1	2.6	3.0	3.5	4.0	4.9
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.7	2.1	2.4	2.8	3.2	3.9
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.2	1.5	1.7	2.0	2.3	2.8
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.1	1.3	1.5	1.7	2.0	2.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.5	11.3	13.1	14.9	16.7	18.5
1500	marriage	6.4	7.5	8.7	9.9	11.1	12.3
2000	marriage	4.8	5.7	6.6	7.4	8.3	9.2
2500	marriage	3.8	4.5	5.2	6.0	6.7	7.4
3000	marriage	3.2	3.8	4.4	5.0	5.6	6.2
3500	marriage	2.7	3.2	3.7	4.3	4.8	5.3
4000	marriage	2.4	2.8	3.3	3.7	4.2	4.6

Ground Snow: 50 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	3.9	4.8	5.6	6.4	7.3	8.9
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	2.6	3.2	3.7	4.3	4.8	5.9
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	2.0	2.4	2.8	3.2	3.6	4.5
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.6	1.9	2.2	2.6	2.9	3.6
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.3	1.6	1.9	2.1	2.4	3.0
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.1	1.4	1.6	1.8	2.1	2.5
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.7	10.3	12.0	13.6	15.2	16.8
1500	marriage	5.8	6.9	8.0	9.1	10.1	11.2
2000	marriage	4.4	5.2	6.0	6.8	7.6	8.4
2500	marriage	3.5	4.1	4.8	5.4	6.1	6.7
3000	marriage	2.9	3.4	4.0	4.5	5.1	5.6
3500	marriage	2.5	3.0	3.4	3.9	4.3	4.8
4000	marriage	2.2	2.6	3.0	3.4	3.8	4.2

Ground Snow: 70 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	4.6	5.6	6.6	7.6	8.6	10.6
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	3.0	3.7	4.4	5.0	5.7	7.0
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.5	1.9	2.2	2.5	2.9	3.5
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.3	1.6	1.9	2.2	2.4	3.0
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.1	1.4	1.6	1.9	2.1	2.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.4	12.3	14.3	16.2	18.1	20.1
1500	marriage	6.9	8.2	9.5	10.8	12.1	13.4
2000	marriage	5.2	6.2	7.1	8.1	9.1	10.0
2500	marriage	4.1	4.9	5.7	6.5	7.3	8.0
3000	marriage	3.5	4.1	4.8	5.4	6.0	6.7
3500	marriage	3.0	3.5	4.1	4.6	5.2	5.7
4000	marriage	2.6	3.1	3.6	4.0	4.5	5.0

* Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Required Effective Footing Area - Aftg (sqft) *

	Aftg E, I 12'
Multi-Section Width	

Ground Snow: 80 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	4.9	6.0	7.1	8.1	9.2	11.4
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	3.3	4.0	4.7	5.4	6.1	7.6
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	2.5	3.0	3.5	4.1	4.6	5.7
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.0	2.4	2.8	3.3	3.7	4.5
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.6	2.0	2.4	2.7	3.1	3.8
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.2	13.3	15.4	17.5	19.6	21.7
1500	marriage	7.4	8.9	10.3	11.7	13.1	14.5
2000	marriage	5.6	6.6	7.7	8.8	9.8	10.9
2500	marriage	4.5	5.3	6.2	7.0	7.8	8.7
3000	marriage	3.7	4.4	5.1	5.8	6.5	7.2
3500	marriage	3.2	3.8	4.4	5.0	5.6	6.2
4000	marriage	2.8	3.3	3.8	4.4	4.9	5.4

Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	5.2	6.4	7.5	8.7	9.9	12.2
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	3.5	4.3	5.0	5.8	6.6	8.1
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	2.6	3.2	3.8	4.4	4.9	6.1
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.1	2.6	3.0	3.5	3.9	4.9
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.7	2.1	2.5	2.9	3.3	4.1
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.3	1.6	1.9	2.2	2.5	3.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.0	14.3	16.5	18.8	21.1	23.4
1500	marriage	8.0	9.5	11.0	12.5	14.1	15.6
2000	marriage	6.0	7.1	8.3	9.4	10.5	11.7
2500	marriage	4.8	5.7	6.6	7.5	8.4	9.3
3000	marriage	4.0	4.8	5.5	6.3	7.0	7.8
3500	marriage	3.4	4.1	4.7	5.4	6.0	6.7
4000	marriage	3.0	3.6	4.1	4.7	5.3	5.8

Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.7	1.9	2.2	2.4	2.7	3.2
	marriage	5.6	6.8	8.0	9.3	10.5	13.0
1500	ext, int	1.1	1.3	1.5	1.6	1.8	2.1
	marriage	3.7	4.5	5.4	6.2	7.0	8.7
2000	ext, int	1.0	1.0	1.1	1.2	1.3	1.6
	marriage	2.8	3.4	4.0	4.6	5.3	6.5
2500	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.2	2.7	3.2	3.7	4.2	5.2
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.9	2.3	2.7	3.1	3.5	4.3
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	1.9	2.3	2.7	3.0	3.7
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.4	1.7	2.0	2.3	2.6	3.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.8	15.2	17.7	20.1	22.6	25.0
1500	marriage	8.5	10.2	11.8	13.4	15.0	16.7
2000	marriage	6.4	7.6	8.8	10.1	11.3	12.5
2500	marriage	5.1	6.1	7.1	8.0	9.0	10.0
3000	marriage	4.3	5.1	5.9	6.7	7.5	8.3
3500	marriage	3.7	4.4	5.1	5.7	6.4	7.1
4000	marriage	3.2	3.8	4.4	5.0	5.6	6.2

* Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Aftg E, I 14'	 Multi-Section Width
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Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	3.4	4.1	4.8	5.5	6.3	7.7
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	2.3	2.8	3.2	3.7	4.2	5.1
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	1.7	2.1	2.4	2.8	3.1	3.8
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	1.4	1.7	1.9	2.2	2.5	3.1
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.1	1.4	1.6	1.8	2.1	2.6
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.0	1.2	1.4	1.6	1.9
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.5	8.8	10.2	11.6	13.0	14.3
	marriage	5.0	5.9	6.8	7.7	8.6	9.5
1500	marriage	3.7	4.4	5.1	5.8	6.5	7.2
	marriage	3.0	3.5	4.1	4.6	5.2	5.7
2000	marriage	2.5	2.9	3.4	3.9	4.3	4.8
	marriage	2.1	2.5	2.9	3.3	3.7	4.1
2500	marriage	1.9	2.2	2.6	2.9	3.2	3.6

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	3.7	4.5	5.3	6.1	6.9	8.5
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	2.5	3.0	3.6	4.1	4.6	5.7
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	1.9	2.3	2.7	3.1	3.5	4.2
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	1.5	1.8	2.1	2.4	2.8	3.4
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.1	1.3	1.5	1.7	2.0	2.4
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.1	1.3	1.5	1.7	2.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.3	9.8	11.4	12.9	14.4	16.0
	marriage	5.5	6.6	7.6	8.6	9.6	10.6
1500	marriage	4.1	4.9	5.7	6.4	7.2	8.0
	marriage	3.3	3.9	4.5	5.2	5.8	6.4
2000	marriage	2.8	3.3	3.8	4.3	4.8	5.3
	marriage	2.4	2.8	3.2	3.7	4.1	4.6
2500	marriage	2.1	2.5	2.8	3.2	3.6	4.0


Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	3.6	4.3	5.0	5.8	6.5	8.0
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	2.4	2.9	3.4	3.9	4.3	5.3
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	1.8	2.1	2.5	2.9	3.3	4.0
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.2	1.4	1.7	1.9	2.3
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.1	1.3	1.4	1.6	2.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	7.8	9.3	10.7	12.1	13.6	15.0
	marriage	5.2	6.2	7.1	8.1	9.0	10.0
1500	marriage	3.9	4.6	5.3	6.1	6.8	7.5
	marriage	3.1	3.7	4.3	4.9	5.4	6.0
2000	marriage	2.6	3.1	3.6	4.0	4.5	5.0
	marriage	2.2	2.6	3.1	3.5	3.9	4.3
2500	marriage	2.0	2.3	2.7	3.0	3.4	3.8

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	4.1	5.0	5.9	6.8	7.7	9.4
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	2.8	3.3	3.9	4.5	5.1	6.3
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	2.1	2.5	3.0	3.4	3.8	4.7
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	1.7	2.0	2.4	2.7	3.1	3.8
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.4	1.7	2.0	2.3	2.6	3.1
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.3	1.5	1.7	1.9	2.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.2	11.0	12.7	14.4	16.2	17.9
	marriage	6.2	7.3	8.5	9.6	10.8	11.9
1500	marriage	4.6	5.5	6.3	7.2	8.1	8.9
	marriage	3.7	4.4	5.1	5.8	6.5	7.2
2000	marriage	3.1	3.7	4.2	4.8	5.4	6.0
	marriage	2.6	3.1	3.6	4.1	4.6	5.1
2500	marriage	2.3	2.7	3.2	3.6	4.0	4.5

- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Required Effective Footing Area - Aftg (sqft) *

	Aftg E, I 14'
Multi-Section Width	

Ground Snow: 50 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	4.5	5.5	6.5	7.5	8.4	10.4
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	3.0	3.7	4.3	5.0	5.6	6.9
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	2.3	2.7	3.2	3.7	4.2	5.2
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.3	1.6	1.8	2.1	2.4	3.0
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.1	1.4	1.6	1.9	2.1	2.6
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	10.2	12.1	14.0	16.0	17.9	19.8
1500	marriage	6.8	8.1	9.4	10.6	11.9	13.2
2000	marriage	5.1	6.1	7.0	8.0	8.9	9.9
2500	marriage	4.1	4.8	5.6	6.4	7.1	7.9
3000	marriage	3.4	4.0	4.7	5.3	6.0	6.6
3500	marriage	2.9	3.5	4.0	4.6	5.1	5.7
4000	marriage	2.6	3.0	3.5	4.0	4.5	4.9

Ground Snow: 70 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	5.3	6.5	7.6	8.8	10.0	12.3
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	3.5	4.3	5.1	5.9	6.6	8.2
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	2.6	3.2	3.8	4.4	5.0	6.2
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	2.1	2.6	3.0	3.5	4.0	4.9
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.8	2.2	2.5	2.9	3.3	4.1
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.3	1.6	1.9	2.2	2.5	3.1
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	12.1	14.4	16.7	19.0	21.3	23.6
1500	marriage	8.1	9.6	11.1	12.7	14.2	15.7
2000	marriage	6.1	7.2	8.4	9.5	10.7	11.8
2500	marriage	4.8	5.8	6.7	7.6	8.5	9.4
3000	marriage	4.0	4.8	5.6	6.3	7.1	7.9
3500	marriage	3.5	4.1	4.8	5.4	6.1	6.7
4000	marriage	3.0	3.6	4.2	4.8	5.3	5.9

Ground Snow: 60 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	4.9	6.0	7.0	8.1	9.2	11.4
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	3.3	4.0	4.7	5.4	6.1	7.6
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	2.4	3.0	3.5	4.1	4.6	5.7
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	2.0	2.4	2.8	3.3	3.7	4.5
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.6	2.0	2.3	2.7	3.1	3.8
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	11.2	13.3	15.4	17.5	19.6	21.7
1500	marriage	7.4	8.8	10.3	11.7	13.1	14.5
2000	marriage	5.6	6.6	7.7	8.7	9.8	10.9
2500	marriage	4.5	5.3	6.2	7.0	7.8	8.7
3000	marriage	3.7	4.4	5.1	5.8	6.5	7.2
3500	marriage	3.2	3.8	4.4	5.0	5.6	6.2
4000	marriage	2.8	3.3	3.8	4.4	4.9	5.4

Ground Snow: 80 psf							
Net Soil		Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	5.7	6.9	8.2	9.5	10.7	13.3
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	3.8	4.6	5.5	6.3	7.2	8.8
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	2.8	3.5	4.1	4.7	5.4	6.6
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	1.9	2.3	2.7	3.2	3.6	4.4
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	2.0	2.3	2.7	3.1	3.8
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.4	1.7	2.0	2.4	2.7	3.3
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	13.1	15.6	18.1	20.5	23.0	25.5
1500	marriage	8.7	10.4	12.0	13.7	15.4	17.0
2000	marriage	6.5	7.8	9.0	10.3	11.5	12.8
2500	marriage	5.2	6.2	7.2	8.2	9.2	10.2
3000	marriage	4.4	5.2	6.0	6.8	7.7	8.5
3500	marriage	3.7	4.4	5.2	5.9	6.6	7.3
4000	marriage	3.3	3.9	4.5	5.1	5.8	6.4

- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Aftg E, I 14'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	6.0	7.4	8.8	10.1	11.5	14.2
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	4.0	4.9	5.8	6.8	7.7	9.5
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	3.0	3.7	4.4	5.1	5.7	7.1
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	2.4	3.0	3.5	4.1	4.6	5.7
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	2.0	2.5	2.9	3.4	3.8	4.7
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.5	2.9	3.3	4.1
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.9	2.2	2.5	2.9	3.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.0	16.7	19.4	22.1	24.8	27.4
1500	marriage	9.4	11.1	12.9	14.7	16.5	18.3
2000	marriage	7.0	8.4	9.7	11.0	12.4	13.7
2500	marriage	5.6	6.7	7.8	8.8	9.9	11.0
3000	marriage	4.7	5.6	6.5	7.4	8.3	9.1
3500	marriage	4.0	4.8	5.5	6.3	7.1	7.8
4000	marriage	3.5	4.2	4.8	5.5	6.2	6.9

Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	1.8	2.1	2.4	2.7	2.9	3.5
	marriage	6.4	7.9	9.3	10.8	12.3	15.2
1500	ext, int	1.2	1.4	1.6	1.8	2.0	2.3
	marriage	4.3	5.3	6.2	7.2	8.2	10.1
2000	ext, int	1.0	1.1	1.2	1.3	1.5	1.8
	marriage	3.2	3.9	4.7	5.4	6.1	7.6
2500	ext, int	1.0	1.0	1.0	1.1	1.2	1.4
	marriage	2.6	3.2	3.7	4.3	4.9	6.1
3000	ext, int	1.0	1.0	1.0	1.0	1.0	1.2
	marriage	2.1	2.6	3.1	3.6	4.1	5.1
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.3	2.7	3.1	3.5	4.3
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	2.0	2.3	2.7	3.1	3.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.0	17.9	20.7	23.6	26.5	29.4
1500	marriage	10.0	11.9	13.8	15.7	17.7	19.6
2000	marriage	7.5	8.9	10.4	11.8	13.2	14.7
2500	marriage	6.0	7.1	8.3	9.4	10.6	11.7
3000	marriage	5.0	6.0	6.9	7.9	8.8	9.8
3500	marriage	4.3	5.1	5.9	6.7	7.6	8.4
4000	marriage	3.7	4.5	5.2	5.9	6.6	7.3

- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Required Effective Footing Area - Aftg (sqft) *

	Aftg E, I 16'
Multi-Section Width	

Min. Roof: 15 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	3.7	4.5	5.3	6.1	6.9	8.5
1500	ext. int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	2.5	3.0	3.6	4.1	4.6	5.7
2000	ext. int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	1.9	2.3	2.7	3.1	3.5	4.2
2500	ext. int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	1.5	1.8	2.1	2.4	2.8	3.4
3000	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.2	1.5	1.8	2.0	2.3	2.8
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.1	1.3	1.5	1.7	2.0	2.4
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.1	1.3	1.5	1.7	2.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.3	9.8	11.4	12.9	14.4	16.0
	marriage	5.5	6.6	7.6	8.6	9.6	10.6
1500	marriage	4.1	4.9	5.7	6.5	7.2	8.0
	marriage	3.3	3.9	4.5	5.2	5.8	6.4
2000	marriage	2.8	3.3	3.8	4.3	4.8	5.3
	marriage	2.4	2.8	3.2	3.7	4.1	4.6
2500	marriage	2.1	2.5	2.8	3.2	3.6	4.0

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	4.1	5.0	5.9	6.8	7.7	9.4
1500	ext. int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	2.7	3.3	3.9	4.5	5.1	6.3
2000	ext. int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	2.1	2.5	2.9	3.4	3.8	4.7
2500	ext. int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	1.6	2.0	2.4	2.7	3.1	3.8
3000	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.4	1.7	2.0	2.3	2.6	3.1
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.2	1.4	1.7	1.9	2.2	2.7
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.3	1.5	1.7	1.9	2.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.2	10.9	12.7	14.4	16.1	17.8
	marriage	6.2	7.3	8.4	9.6	10.7	11.9
1500	marriage	4.6	5.5	6.3	7.2	8.1	8.9
	marriage	3.7	4.4	5.1	5.8	6.4	7.1
2000	marriage	3.1	3.6	4.2	4.8	5.4	5.9
	marriage	2.6	3.1	3.6	4.1	4.6	5.1
2500	marriage	2.3	2.7	3.2	3.6	4.0	4.5

Ground Snow: 25 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	3.9	4.7	5.6	6.4	7.2	8.9
1500	ext. int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	2.6	3.2	3.7	4.3	4.8	5.9
2000	ext. int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	2.0	2.4	2.8	3.2	3.6	4.4
2500	ext. int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	1.6	1.9	2.2	2.6	2.9	3.6
3000	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.3	1.6	1.9	2.1	2.4	3.0
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.1	1.4	1.6	1.8	2.1	2.5
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.0	1.2	1.4	1.6	1.8	2.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	8.7	10.3	11.9	13.5	15.1	16.7
	marriage	5.8	6.9	7.9	9.0	10.1	11.2
1500	marriage	4.3	5.1	6.0	6.8	7.6	8.4
	marriage	3.5	4.1	4.8	5.4	6.1	6.7
2000	marriage	2.9	3.4	4.0	4.5	5.0	5.6
	marriage	2.5	2.9	3.4	3.9	4.3	4.8
2500	marriage	2.2	2.6	3.0	3.4	3.8	4.2

Ground Snow: 40 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext. int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	4.6	5.5	6.5	7.5	8.5	10.5
1500	ext. int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	3.0	3.7	4.4	5.0	5.7	7.0
2000	ext. int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
2500	ext. int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3000	ext. int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
3500	ext. int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.3	1.6	1.9	2.2	2.4	3.0
4000	ext. int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.1	1.4	1.6	1.9	2.1	2.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.3	12.2	14.2	16.1	18.1	20.0
	marriage	6.9	8.2	9.5	10.7	12.0	13.3
1500	marriage	5.2	6.1	7.1	8.1	9.0	10.0
	marriage	4.1	4.9	5.7	6.4	7.2	8.0
2000	marriage	3.4	4.1	4.7	5.4	6.0	6.7
	marriage	2.9	3.5	4.1	4.6	5.2	5.7
2500	marriage	2.6	3.1	3.5	4.0	4.5	5.0

- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0", except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2"

Aftg E, I 16'	 Multi-Section Width
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Required Effective Footing Area - Aftg (sqft) *

Ground Snow: 50 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	5.0	6.1	7.2	8.3	9.4	11.6
1500	ext, int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	3.3	4.1	4.8	5.5	6.3	7.7
2000	ext, int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	2.5	3.0	3.6	4.1	4.7	5.8
2500	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	2.0	2.4	2.9	3.3	3.8	4.6
3000	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.7	2.0	2.4	2.8	3.1	3.9
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.4	1.7	2.1	2.4	2.7	3.3
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.2	1.5	1.8	2.1	2.3	2.9
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.4	13.6	15.7	17.9	20.0	22.2
	marriage	7.6	9.0	10.5	11.9	13.3	14.8
1500	marriage	5.7	6.8	7.9	8.9	10.0	11.1
	marriage	4.6	5.4	6.3	7.1	8.0	8.9
2000	marriage	3.8	4.5	5.2	6.0	6.7	7.4
	marriage	3.3	3.9	4.5	5.1	5.7	6.3
2500	marriage	2.8	3.4	3.9	4.5	5.0	5.5


Ground Snow: 70 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	5.9	7.2	8.5	9.8	11.1	13.8
1500	ext, int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	3.9	4.8	5.7	6.5	7.4	9.2
2000	ext, int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	2.9	3.6	4.2	4.9	5.6	6.9
2500	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	2.3	2.9	3.4	3.9	4.5	5.5
3000	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.0	2.4	2.8	3.3	3.7	4.6
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.7	2.0	2.4	2.8	3.2	3.9
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.1	2.5	2.8	3.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.6	16.2	18.7	21.3	23.9	26.5
	marriage	9.0	10.8	12.5	14.2	15.9	17.7
1500	marriage	6.8	8.1	9.4	10.7	12.0	13.3
	marriage	5.4	6.5	7.5	8.5	9.6	10.6
2000	marriage	4.5	5.4	6.2	7.1	8.0	8.8
	marriage	3.9	4.6	5.4	6.1	6.8	7.6
2500	marriage	3.4	4.0	4.7	5.3	6.0	6.6

Ground Snow: 60 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	5.4	6.6	7.8	9.0	10.3	12.7
1500	ext, int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	3.6	4.4	5.2	6.0	6.8	8.5
2000	ext, int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	2.7	3.3	3.9	4.5	5.1	6.3
2500	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	2.2	2.7	3.1	3.6	4.1	5.1
3000	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.5	1.9	2.2	2.6	2.9	3.6
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.4	1.7	2.0	2.3	2.6	3.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.5	14.9	17.2	19.6	22.0	24.3
	marriage	8.3	9.9	11.5	13.1	14.6	16.2
1500	marriage	6.2	7.4	8.6	9.8	11.0	12.2
	marriage	5.0	5.9	6.9	7.8	8.8	9.7
2000	marriage	4.2	5.0	5.7	6.5	7.3	8.1
	marriage	3.6	4.2	4.9	5.6	6.3	7.0
2500	marriage	3.1	3.7	4.3	4.9	5.5	6.1

Ground Snow: 80 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	6.3	7.7	9.1	10.6	12.0	14.8
1500	ext, int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	4.2	5.1	6.1	7.0	8.0	9.9
2000	ext, int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	3.1	3.9	4.6	5.3	6.0	7.4
2500	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	2.5	3.1	3.7	4.2	4.8	5.9
3000	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.1	2.6	3.0	3.5	4.0	4.9
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	1.9	2.3	2.6	3.0	3.7
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.7	17.5	20.3	23.1	25.9	28.7
	marriage	9.8	11.6	13.5	15.4	17.2	19.1
1500	marriage	7.3	8.7	10.1	11.5	12.9	14.3
	marriage	5.9	7.0	8.1	9.2	10.3	11.5
2000	marriage	4.9	5.8	6.8	7.7	8.6	9.6
	marriage	4.2	5.0	5.8	6.6	7.4	8.2
2500	marriage	3.7	4.4	5.1	5.8	6.5	7.2

- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0", except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Required Effective Footing Area - Aftg (sqft) *

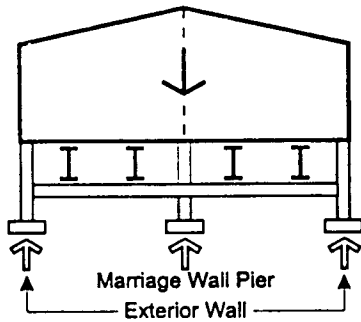
	Aftg E, I 16'
Multi-Section Width	

Ground Snow: 90 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	6.7	8.3	9.8	11.3	12.9	15.9
1500	ext, int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	4.5	5.5	6.5	7.6	8.6	10.6
2000	ext, int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	3.4	4.1	4.9	5.7	6.4	8.0
2500	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	2.7	3.3	3.9	4.5	5.1	6.4
3000	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.2	2.8	3.3	3.8	4.3	5.3
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	1.9	2.4	2.8	3.2	3.7	4.6
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.4	2.8	3.2	4.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.7	18.8	21.8	24.8	27.8	30.9
1500	marriage	10.5	12.5	14.5	16.5	18.6	20.6
2000	marriage	7.9	9.4	10.9	12.4	13.9	15.4
2500	marriage	6.3	7.5	8.7	9.9	11.1	12.3
3000	marriage	5.2	6.3	7.3	8.3	9.3	10.3
3500	marriage	4.5	5.4	6.2	7.1	8.0	8.8
4000	marriage	3.9	4.7	5.4	6.2	7.0	7.7

Ground Snow: 100 psf							
Net Soil Pres (psf)		Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext, int	2.0	2.3	2.6	2.9	3.3	3.9
	marriage	7.2	8.8	10.4	12.1	13.7	17.0
1500	ext, int	1.3	1.5	1.7	2.0	2.2	2.6
	marriage	4.8	5.9	7.0	8.1	9.2	11.3
2000	ext, int	1.0	1.1	1.3	1.5	1.6	1.9
	marriage	3.6	4.4	5.2	6.0	6.9	8.5
2500	ext, int	1.0	1.0	1.0	1.2	1.3	1.6
	marriage	2.9	3.5	4.2	4.8	5.5	6.8
3000	ext, int	1.0	1.0	1.0	1.0	1.1	1.3
	marriage	2.4	2.9	3.5	4.0	4.6	5.7
3500	ext, int	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	2.0	2.5	3.0	3.5	3.9	4.9
4000	ext, int	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.2	2.6	3.0	3.4	4.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	16.8	20.1	23.3	26.5	29.8	33.0
1500	marriage	11.2	13.4	15.5	17.7	19.9	22.0
2000	marriage	8.4	10.0	11.7	13.3	14.9	16.5
2500	marriage	6.7	8.0	9.3	10.6	11.9	13.2
3000	marriage	5.6	6.7	7.8	8.8	9.9	11.0
3500	marriage	4.8	5.7	6.7	7.6	8.5	9.4
4000	marriage	4.2	5.0	5.8	6.6	7.4	8.3

- * Minimum interior pier area is 1.0 sqft. Minimum exterior foundation wall footing width is 1'-0"; except for a 16' wide unit when the snow load is 100 psf and the allowable soil pressure is 1000 psf, use 1'-2".

Multi-Section E5, E6



Required Effective Footing - Aftg *

Min. Roof: 15 psf

Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.0	1.1	1.1	1.2	1.3	1.4
	marriage	5.2	6.3	7.4	8.5	9.6	11.8
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.2	4.9	5.7	6.4	7.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.7	4.2	4.8	5.9
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	3.0	3.4	3.8	4.7
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.5	2.8	3.2	3.9
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.1	2.4	2.7	3.4
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.3	1.6	1.8	2.1	2.4	2.9

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.4	11.1	12.8	14.5	16.3	18.0
	marriage	6.3	7.4	8.6	9.7	10.8	12.0
1500	marriage	4.7	5.6	6.4	7.3	8.1	9.0
	marriage	3.8	4.4	5.1	5.8	6.5	7.2
2000	marriage	3.1	3.7	4.3	4.8	5.4	6.0
	marriage	2.7	3.2	3.7	4.2	4.6	5.1
3500	marriage	2.4	2.8	3.2	3.6	4.1	4.5

Ground Snow: 25 psf

Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.0	1.1	1.2	1.2	1.3	1.4
	marriage	5.3	6.4	7.6	8.7	9.8	12.0
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.3	5.0	5.8	6.5	8.0
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.2	3.8	4.3	4.9	6.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.6	3.0	3.5	3.9	4.8
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.1	2.5	2.9	3.3	4.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.2	2.5	2.8	3.4
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.3	1.6	1.9	2.2	2.5	3.0

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	9.7	11.5	13.2	15.0	16.8	18.5
	marriage	6.5	7.6	8.8	10.0	11.2	12.4
1500	marriage	4.9	5.7	6.6	7.5	8.4	9.3
	marriage	3.9	4.6	5.3	6.0	6.7	7.4
2000	marriage	3.2	3.8	4.4	5.0	5.6	6.2
	marriage	2.8	3.3	3.8	4.3	4.8	5.3
3500	marriage	2.4	2.9	3.3	3.8	4.2	4.6

Ground Snow: 30 psf & Min. Roof: 20 psf


Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.1	1.1	1.2	1.2	1.3	1.4
	marriage	5.5	6.6	7.8	9.0	10.1	12.5
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.4	5.2	6.0	6.8	8.3
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.9	4.5	5.1	6.2
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.1	3.6	4.1	5.0
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.2	2.6	3.0	3.4	4.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	1.9	2.2	2.6	2.9	3.6
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.4	1.7	2.0	2.2	2.5	3.1

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.1	12.0	13.8	15.7	17.5	19.4
	marriage	6.7	8.0	9.2	10.4	11.7	12.9
1500	marriage	5.1	6.0	6.9	7.8	8.8	9.7
	marriage	4.0	4.8	5.5	6.3	7.0	7.7
2000	marriage	3.4	4.0	4.6	5.2	5.8	6.5
	marriage	2.9	3.4	3.9	4.5	5.0	5.5
3500	marriage	2.5	3.0	3.5	3.9	4.4	4.8

* Minimum interior pier area is 1.0 sqft

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Required Effective Footing - Aftg *

	Multi-Section	Aftg E5, E6
	Width	12'

Ground Snow: 40 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.1	1.2	1.2	1.3	1.3	1.5
	marriage	5.8	7.0	8.3	9.5	10.8	13.3
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.7	5.5	6.4	7.2	8.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.5	4.1	4.8	5.4	6.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.8	3.3	3.8	4.3	5.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.8	3.2	3.6	4.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.4	2.7	3.1	3.8
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.1	2.4	2.7	3.3
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	10.9	12.9	15.0	17.0	19.0	21.0
	marriage	7.3	8.6	10.0	11.3	12.7	14.0
1500	marriage	5.5	6.5	7.5	8.5	9.5	10.5
	marriage	4.4	5.2	6.0	6.8	7.6	8.4
2000	marriage	3.6	4.3	5.0	5.7	6.3	7.0
	marriage	3.1	3.7	4.3	4.8	5.4	6.0
2500	marriage	2.7	3.2	3.7	4.2	4.7	5.2

Ground Snow: 60 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.2	1.2	1.3	1.4	1.4	1.5
	marriage	6.5	7.9	9.3	10.7	12.1	14.9
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.3	5.2	6.2	7.1	8.1	9.9
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.2	3.9	4.6	5.3	6.0	7.5
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.7	4.3	4.8	6.0
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.6	3.1	3.6	4.0	5.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.2	2.6	3.1	3.5	4.3
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	2.0	2.3	2.7	3.0	3.7
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	12.6	14.9	17.2	19.6	21.9	24.3
	marriage	8.4	9.9	11.5	13.1	14.6	16.2
1500	marriage	6.3	7.4	8.6	9.8	11.0	12.1
	marriage	5.0	6.0	6.9	7.8	8.8	9.7
2000	marriage	4.2	5.0	5.7	6.5	7.3	8.1
	marriage	3.6	4.3	4.9	5.6	6.3	6.9
2500	marriage	3.1	3.7	4.3	4.9	5.5	6.1

Ground Snow: 50 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.1	1.2	1.3	1.3	1.4	1.5
	marriage	6.1	7.5	8.8	10.1	11.4	14.1
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.1	5.0	5.9	6.7	7.6	9.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.7	4.4	5.1	5.7	7.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	4.0	4.6	5.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.5	2.9	3.4	3.8	4.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.1	2.5	2.9	3.3	4.0
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.9	2.2	2.5	2.9	3.5
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	11.7	13.9	16.1	18.3	20.5	22.6
	marriage	7.8	9.3	10.7	12.2	13.6	15.1
1500	marriage	5.9	7.0	8.0	9.1	10.2	11.3
	marriage	4.7	5.6	6.4	7.3	8.2	9.1
2000	marriage	3.9	4.6	5.4	6.1	6.8	7.5
	marriage	3.4	4.0	4.6	5.2	5.8	6.5
2500	marriage	2.9	3.5	4.0	4.6	5.1	5.7

Ground Snow: 70 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.2	1.3	1.3	1.4	1.5	1.6
	marriage	6.8	8.3	9.8	11.3	12.7	15.7
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.5	5.5	6.5	7.5	8.5	10.5
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.1	4.9	5.6	6.4	7.9
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.9	4.5	5.1	6.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.8	3.3	3.8	4.2	5.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.4	2.8	3.2	3.6	4.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.4	2.8	3.2	3.9
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	13.4	15.9	18.4	20.9	23.4	25.9
	marriage	8.9	10.6	12.3	13.9	15.6	17.3
1500	marriage	6.7	7.9	9.2	10.4	11.7	12.9
	marriage	5.4	6.4	7.4	8.4	9.4	10.4
2000	marriage	4.5	5.3	6.1	7.0	7.8	8.6
	marriage	3.8	4.5	5.3	6.0	6.7	7.4
2500	marriage	3.3	4.0	4.6	5.2	5.8	6.5

* Minimum interior pier area is 1.0 sqft.

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet

Aftg E5, E6 12'	
Multi-Section Width	

Required Effective Footing - Aftg *

Ground Snow: 80 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.3	1.3	1.4	1.4	1.5	1.6
	marriage	7.1	8.7	10.3	11.8	13.4	16.5
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.7	5.8	6.8	7.9	8.9	11.0
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.6	4.3	5.1	5.9	6.7	8.3
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.5	4.1	4.7	5.4	6.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.4	3.9	4.5	5.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.5	2.9	3.4	3.8	4.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.2	2.6	3.0	3.3	4.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.2	16.9	19.5	22.2	24.9	27.5
1500	marriage	9.5	11.2	13.0	14.8	16.6	18.4
2000	marriage	7.1	8.4	9.8	11.1	12.4	13.8
2500	marriage	5.7	6.7	7.8	8.9	9.9	11.0
3000	marriage	4.7	5.6	6.5	7.4	8.3	9.2
3500	marriage	4.1	4.8	5.6	6.3	7.1	7.9
4000	marriage	3.5	4.2	4.9	5.5	6.2	6.9


Ground Snow: 100 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.3	1.4	1.5	1.5	1.6	1.7
	marriage	7.8	9.5	11.2	13.0	14.7	18.2
1500	ext wall	1.0	1.0	1.0	1.0	1.1	1.1
	marriage	5.2	6.3	7.5	8.6	9.8	12.1
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.7	5.6	6.5	7.4	9.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.5	5.2	5.9	7.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.2	3.7	4.3	4.9	6.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.7	4.2	5.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.4	2.8	3.2	3.7	4.5
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.8	18.8	21.8	24.8	27.8	30.8
1500	marriage	10.6	12.5	14.5	16.5	18.5	20.5
2000	marriage	7.9	9.4	10.9	12.4	13.9	15.4
2500	marriage	6.3	7.5	8.7	9.9	11.1	12.3
3000	marriage	5.3	6.3	7.3	8.3	9.3	10.3
3500	marriage	4.5	5.4	6.2	7.1	7.9	8.8
4000	marriage	4.0	4.7	5.5	6.2	7.0	7.7

Ground Snow: 90 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.3	1.4	1.4	1.5	1.5	1.7
	marriage	7.4	9.1	10.7	12.4	14.1	17.4
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	5.0	6.1	7.2	8.3	9.4	11.6
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.5	5.4	6.2	7.0	8.7
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.3	5.0	5.6	6.9
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.6	4.1	4.7	5.8
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.6	3.1	3.5	4.0	5.0
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.7	3.1	3.5	4.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.0	17.8	20.7	23.5	26.3	29.2
1500	marriage	10.0	11.9	13.8	15.7	17.6	19.4
2000	marriage	7.5	8.9	10.3	11.8	13.2	14.6
2500	marriage	6.0	7.1	8.3	9.4	10.5	11.7
3000	marriage	5.0	5.9	6.9	7.8	8.8	9.7
3500	marriage	4.3	5.1	5.9	6.7	7.5	8.3
4000	marriage	3.8	4.5	5.2	5.9	6.6	7.3

* Minimum interior pier area is 1.0 sqft

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Required Effective Footing - Aftg *

	Aftg E5, E6 14'
Multi-Section Width	

Min. Roof: 15 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.1	1.2	1.3	1.3	1.4	1.5
	marriage	5.9	7.2	8.5	9.7	11.0	13.6
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.0	4.8	5.7	6.5	7.3	9.0
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.2	4.9	5.5	6.8
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.4	3.9	4.4	5.4
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.8	3.2	3.7	4.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.4	2.8	3.1	3.9
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.1	2.4	2.8	3.4
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.8	12.8	14.8	16.8	18.8	20.8
1500	marriage	7.2	8.6	9.9	11.2	12.5	13.9
2000	marriage	5.4	6.4	7.4	8.4	9.4	10.4
2500	marriage	4.3	5.1	5.9	6.7	7.5	8.3
3000	marriage	3.6	4.3	4.9	5.6	6.3	6.9
3500	marriage	3.1	3.7	4.2	4.8	5.4	5.9
4000	marriage	2.7	3.2	3.7	4.2	4.7	5.2

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.2	1.2	1.3	1.4	1.4	1.6
	marriage	6.3	7.6	9.0	10.3	11.7	14.4
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.2	5.1	6.0	6.9	7.8	9.6
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.5	5.2	5.8	7.2
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.6	4.1	4.7	5.7
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	3.0	3.4	3.9	4.8
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.2	2.6	2.9	3.3	4.1
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	1.9	2.2	2.6	2.9	3.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.7	13.8	16.0	18.1	20.3	22.4
1500	marriage	7.8	9.2	10.7	12.1	13.5	15.0
2000	marriage	5.8	6.9	8.0	9.1	10.1	11.2
2500	marriage	4.7	5.5	6.4	7.3	8.1	9.0
3000	marriage	3.9	4.6	5.3	6.0	6.8	7.5
3500	marriage	3.3	3.9	4.6	5.2	5.8	6.4
4000	marriage	2.9	3.5	4.0	4.5	5.1	5.6

Ground Snow: 25 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.1	1.2	1.3	1.3	1.4	1.5
	marriage	6.1	7.4	8.7	10.0	11.3	13.9
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.0	4.9	5.8	6.7	7.5	9.3
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.7	4.3	5.0	5.6	6.9
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	3.0	3.5	4.0	4.5	5.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.5	2.9	3.3	3.8	4.6
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.5	2.9	3.2	4.0
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.2	2.5	2.8	3.5
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.2	13.3	15.3	17.4	19.4	21.5
1500	marriage	7.5	8.8	10.2	11.6	13.0	14.3
2000	marriage	5.6	6.6	7.7	8.7	9.7	10.7
2500	marriage	4.5	5.3	6.1	6.9	7.8	8.6
3000	marriage	3.7	4.4	5.1	5.8	6.5	7.2
3500	marriage	3.2	3.8	4.4	5.0	5.6	6.1
4000	marriage	2.8	3.3	3.8	4.3	4.9	5.4

Ground Snow: 40 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.2	1.3	1.3	1.4	1.5	1.6
	marriage	6.6	8.1	9.5	11.0	12.4	15.3
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.4	5.4	6.4	7.3	8.3	10.2
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.0	4.8	5.5	6.2	7.7
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.2	3.8	4.4	5.0	6.1
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.7	4.1	5.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.7	3.1	3.6	4.4
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.4	2.7	3.1	3.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.6	15.0	17.3	19.7	22.0	24.4
1500	marriage	8.4	10.0	11.5	13.1	14.7	16.2
2000	marriage	6.3	7.5	8.7	9.8	11.0	12.2
2500	marriage	5.1	6.0	6.9	7.9	8.8	9.7
3000	marriage	4.2	5.0	5.8	6.6	7.3	8.1
3500	marriage	3.6	4.3	4.9	5.6	6.3	7.0
4000	marriage	3.2	3.7	4.3	4.9	5.5	6.1

- Minimum interior pier area is 1.0 sqft
- The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Aftg E5, E6 14'	 Multi-Section Width
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Ground Snow: 50 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.2	1.3	1.4	1.5	1.5	1.7
	marriage	7.0	8.6	10.1	11.7	13.2	16.3
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.7	5.7	6.7	7.8	8.8	10.9
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.3	5.1	5.8	6.6	8.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.4	4.0	4.7	5.3	6.5
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.9	3.4	3.9	4.4	5.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.9	3.3	3.8	4.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.1	2.5	2.9	3.3	4.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.6	16.1	18.7	21.2	23.7	26.3
1500	marriage	9.1	10.7	12.4	14.1	15.8	17.5
2000	marriage	6.8	8.1	9.3	10.6	11.9	13.1
2500	marriage	5.4	6.4	7.5	8.5	9.5	10.5
3000	marriage	4.5	5.4	6.2	7.1	7.9	8.8
3500	marriage	3.9	4.6	5.3	6.1	6.8	7.5
4000	marriage	3.4	4.0	4.7	5.3	5.9	6.6

Ground Snow: 70 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.3	1.4	1.5	1.6	1.6	1.8
	marriage	7.8	9.5	11.3	13.0	14.7	18.2
1500	ext wall	1.0	1.0	1.0	1.0	1.1	1.2
	marriage	5.2	6.4	7.5	8.7	9.8	12.1
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.8	5.6	6.5	7.4	9.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.5	5.2	5.9	7.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.2	3.8	4.3	4.9	6.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.7	4.2	5.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.4	2.8	3.2	3.7	4.5
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.5	18.4	21.3	24.3	27.2	30.1
1500	marriage	10.3	12.3	14.2	16.2	18.1	20.1
2000	marriage	7.7	9.2	10.7	12.1	13.6	15.0
2500	marriage	6.2	7.4	8.5	9.7	10.9	12.0
3000	marriage	5.2	6.1	7.1	8.1	9.1	10.0
3500	marriage	4.4	5.3	6.1	6.9	7.8	8.6
4000	marriage	3.9	4.6	5.3	6.1	6.8	7.5


Required Effective Footing - Aftg *

Ground Snow: 60 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.3	1.4	1.4	1.5	1.6	1.7
	marriage	7.4	9.1	10.7	12.3	14.0	17.2
1500	ext wall	1.0	1.0	1.0	1.0	1.1	1.1
	marriage	4.9	6.0	7.1	8.2	9.3	11.5
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.5	5.3	6.2	7.0	8.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.3	4.9	5.6	6.9
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.6	4.1	4.7	5.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.6	3.1	3.5	4.0	4.9
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.7	3.1	3.5	4.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.5	17.3	20.0	22.7	25.5	28.2
1500	marriage	9.7	11.5	13.3	15.2	17.0	18.8
2000	marriage	7.3	8.6	10.0	11.4	12.7	14.1
2500	marriage	5.8	6.9	8.0	9.1	10.2	11.3
3000	marriage	4.8	5.8	6.7	7.6	8.5	9.4
3500	marriage	4.2	4.9	5.7	6.5	7.3	8.1
4000	marriage	3.6	4.3	5.0	5.7	6.4	7.0

Ground Snow: 80 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.4	1.5	1.5	1.6	1.7	1.8
	marriage	8.2	10.0	11.8	13.7	15.5	19.2
1500	ext wall	1.0	1.0	1.0	1.1	1.1	1.2
	marriage	5.5	6.7	7.9	9.1	10.3	12.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.1	5.0	5.9	6.8	7.7	9.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.0	4.7	5.5	6.2	7.7
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.9	4.6	5.2	6.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.9	3.4	3.9	4.4	5.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.5	3.0	3.4	3.9	4.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	16.5	19.6	22.7	25.8	28.9	32.0
1500	marriage	11.0	13.0	15.1	17.2	19.3	21.3
2000	marriage	8.2	9.8	11.3	12.9	14.4	16.0
2500	marriage	6.6	7.8	9.1	10.3	11.6	12.8
3000	marriage	5.5	6.5	7.6	8.6	9.6	10.7
3500	marriage	4.7	5.6	6.5	7.4	8.3	9.1
4000	marriage	4.1	4.9	5.7	6.4	7.2	8.0

- * Minimum interior pier area is 1.0 sqft
- The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet

Required Effective Footing - Aftg *

	Aftg E5, E6 14*
Multi-Section Width	

Ground Snow: 90 psf						
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)				
		4	5	6	7	8
1000	ext wall	1.4	1.5	1.6	1.7	1.7
	marriage	8.6	10.5	12.4	14.3	16.3
1500	ext wall	1.0	1.0	1.1	1.1	1.1
	marriage	5.7	7.0	8.3	9.6	10.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.3	5.2	6.2	7.2	8.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.2	5.0	5.7	6.5
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.5	4.1	4.8	5.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	3.0	3.5	4.1	4.6
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.6	3.1	3.6	4.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)				
		10	12	14	16	18
1000	marriage	17.4	20.7	24.0	27.3	30.6
1500	marriage	11.6	13.8	16.0	18.2	20.4
2000	marriage	8.7	10.4	12.0	13.7	15.3
2500	marriage	7.0	8.3	9.6	10.9	12.2
3000	marriage	5.8	6.9	8.0	9.1	10.2
3500	marriage	5.0	5.9	6.9	7.8	8.7
4000	marriage	4.4	5.2	6.0	6.8	7.7

Ground Snow: 100 psf						
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)				
		4	5	6	7	8
1000	ext wall	1.5	1.6	1.6	1.7	1.8
	marriage	8.9	11.0	13.0	15.0	17.0
1500	ext wall	1.0	1.0	1.1	1.1	1.2
	marriage	6.0	7.3	8.7	10.0	11.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.5	5.5	6.5	7.5	8.5
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.6	4.4	5.2	6.0	6.8
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.7	4.3	5.0	5.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.7	4.3	4.9
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.8	4.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)				
		10	12	14	16	18
1000	marriage	18.4	21.9	25.4	28.8	32.3
1500	marriage	12.2	14.6	16.9	19.2	21.6
2000	marriage	9.2	10.9	12.7	14.4	16.2
2500	marriage	7.3	8.7	10.1	11.5	12.9
3000	marriage	6.1	7.3	8.5	9.6	10.8
3500	marriage	5.2	6.2	7.2	8.2	9.2
4000	marriage	4.6	5.5	6.3	7.2	8.1

- * Minimum interior pier area is 1.0 sqft.
The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Aftg E5, E6 16'	 Multi-Section Width
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Min. Roof: 15 psf

Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.2	1.3	1.4	1.4	1.5	1.7
	marriage	6.6	8.0	9.5	10.9	12.3	15.2
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.4	5.4	6.3	7.3	8.2	10.1
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.0	4.7	5.5	6.2	7.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.2	3.8	4.4	4.9	6.1
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.6	4.1	5.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.7	3.1	3.5	4.3
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.4	2.7	3.1	3.8

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.2	14.4	16.7	18.9	21.2	23.4
1500	marriage	8.1	9.6	11.1	12.6	14.1	15.6
2000	marriage	6.1	7.2	8.3	9.5	10.6	11.7
2500	marriage	4.9	5.8	6.7	7.6	8.5	9.4
3000	marriage	4.1	4.8	5.6	6.3	7.1	7.8
3500	marriage	3.5	4.1	4.8	5.4	6.0	6.7
4000	marriage	3.0	3.6	4.2	4.7	5.3	5.9

Ground Snow: 30 psf & Min. Roof: 20 psf

Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.2	1.3	1.4	1.5	1.6	1.7
	marriage	7.0	8.5	10.0	11.6	13.1	16.1
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.7	5.7	6.7	7.7	8.7	10.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.3	5.0	5.8	6.5	8.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.4	4.0	4.6	5.2	6.5
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.8	3.3	3.9	4.4	5.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.9	3.3	3.7	4.6
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.5	2.9	3.3	4.0

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.1	15.5	18.0	20.4	22.8	25.3
1500	marriage	8.7	10.4	12.0	13.6	15.2	16.8
2000	marriage	6.5	7.8	9.0	10.2	11.4	12.6
2500	marriage	5.2	6.2	7.2	8.2	9.1	10.1
3000	marriage	4.4	5.2	6.0	6.8	7.6	8.4
3500	marriage	3.7	4.4	5.1	5.8	6.5	7.2
4000	marriage	3.3	3.9	4.5	5.1	5.7	6.3

Required Effective Footing - Aftg *

Ground Snow: 25 psf

Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.2	1.3	1.4	1.5	1.5	1.7
	marriage	6.8	8.2	9.7	11.2	12.6	15.6
1500	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	4.5	5.5	6.5	7.5	8.4	10.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.1	4.9	5.6	6.3	7.8
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.9	4.5	5.1	6.2
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.7	3.2	3.7	4.2	5.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.4	2.8	3.2	3.6	4.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.4	2.8	3.2	3.9

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.6	14.9	17.2	19.5	21.9	24.2
1500	marriage	8.4	9.9	11.5	13.0	14.6	16.1
2000	marriage	6.3	7.4	8.6	9.8	10.9	12.1
2500	marriage	5.0	6.0	6.9	7.8	8.7	9.7
3000	marriage	4.2	5.0	5.7	6.5	7.3	8.1
3500	marriage	3.6	4.3	4.9	5.6	6.2	6.9
4000	marriage	3.1	3.7	4.3	4.9	5.5	6.0

Ground Snow: 40 psf


Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.3	1.4	1.5	1.5	1.6	1.8
	marriage	7.4	9.1	10.7	12.3	13.9	17.2
1500	ext wall	1.0	1.0	1.0	1.0	1.1	1.2
	marriage	4.9	6.0	7.1	8.2	9.3	11.5
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.5	5.3	6.2	7.0	8.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.3	4.9	5.6	6.9
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.6	4.1	4.6	5.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.6	3.1	3.5	4.0	4.9
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.7	3.1	3.5	4.3

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.2	16.8	19.5	22.1	24.8	27.4
1500	marriage	9.5	11.2	13.0	14.8	16.5	18.3
2000	marriage	7.1	8.4	9.7	11.1	12.4	13.7
2500	marriage	5.7	6.7	7.8	8.9	9.9	11.0
3000	marriage	4.7	5.6	6.5	7.4	8.3	9.1
3500	marriage	4.1	4.8	5.6	6.3	7.1	7.8
4000	marriage	3.5	4.2	4.9	5.5	6.2	6.9

* Minimum interior pier area is 1.0 sqft

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet

Required Effective Footing - Aftg *

	Aftg E5, E6 16'
Multi-Section Width	

Ground Snow: 50 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.4	1.4	1.5	1.6	1.7	1.8
	marriage	7.9	9.6	11.3	13.1	14.8	18.3
1500	ext wall	1.0	1.0	1.0	1.1	1.1	1.2
	marriage	5.2	6.4	7.6	8.7	9.9	12.2
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.8	5.7	6.5	7.4	9.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.5	5.2	5.9	7.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.2	3.8	4.4	4.9	6.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.7	4.2	5.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.8	3.3	3.7	4.6
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	15.3	18.1	21.0	23.9	26.7	29.6
1500	marriage	10.2	12.1	14.0	15.9	17.8	19.7
2000	marriage	7.6	9.1	10.5	11.9	13.4	14.8
2500	marriage	6.1	7.3	8.4	9.5	10.7	11.8
3000	marriage	5.1	6.0	7.0	8.0	8.9	9.9
3500	marriage	4.4	5.2	6.0	6.8	7.6	8.5
4000	marriage	3.8	4.5	5.3	6.0	6.7	7.4

Ground Snow: 70 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.5	1.5	1.6	1.7	1.8	1.9
	marriage	8.7	10.7	12.6	14.6	16.6	20.5
1500	ext wall	1.0	1.0	1.1	1.1	1.2	1.3
	marriage	5.8	7.1	8.4	9.7	11.0	13.6
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.4	5.3	6.3	7.3	8.3	10.2
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.3	5.1	5.8	6.6	8.2
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.6	4.2	4.9	5.5	6.8
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.1	3.6	4.2	4.7	5.8
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.6	4.1	5.1
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	17.4	20.7	24.0	27.3	30.6	33.9
1500	marriage	11.6	13.8	16.0	18.2	20.4	22.6
2000	marriage	8.7	10.4	12.0	13.7	15.3	17.0
2500	marriage	7.0	8.3	9.6	10.9	12.3	13.6
3000	marriage	5.8	6.9	8.0	9.1	10.2	11.3
3500	marriage	5.0	5.9	6.9	7.8	8.8	9.7
4000	marriage	4.4	5.2	6.0	6.8	7.7	8.5

Ground Snow: 60 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.4	1.5	1.6	1.6	1.7	1.9
	marriage	8.3	10.1	12.0	13.8	15.7	19.4
1500	ext wall	1.0	1.0	1.0	1.1	1.2	1.3
	marriage	5.5	6.8	8.0	9.2	10.5	12.9
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.1	5.1	6.0	6.9	7.8	9.7
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.1	4.8	5.5	6.3	7.8
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.4	4.0	4.6	5.2	6.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.4	4.0	4.5	5.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	3.0	3.5	3.9	4.8
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	16.4	19.4	22.5	25.6	28.7	31.8
1500	marriage	10.9	13.0	15.0	17.1	19.1	21.2
2000	marriage	8.2	9.7	11.3	12.8	14.3	15.9
2500	marriage	6.5	7.8	9.0	10.2	11.5	12.7
3000	marriage	5.5	6.5	7.5	8.5	9.6	10.6
3500	marriage	4.7	5.6	6.4	7.3	8.2	9.1
4000	marriage	4.1	4.9	5.6	6.4	7.2	7.9

Ground Snow: 80 psf							
Net Soil		Transverse Girder and Pier Spacing (ft)					
Pres (psf)		4	5	6	7	8	10
1000	ext wall	1.5	1.6	1.7	1.8	1.8	2.0
	marriage	9.2	11.2	13.3	15.4	17.4	21.6
1500	ext wall	1.0	1.1	1.1	1.2	1.2	1.3
	marriage	6.1	7.5	8.9	10.2	11.6	14.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.6	5.6	6.6	7.7	8.7	10.8
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.5	5.3	6.1	7.0	8.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.7	4.4	5.1	5.8	7.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.2	3.8	4.4	5.0	6.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.8	3.3	3.8	4.4	5.4
Net Soil		Marriage Wall Opening Width (ft)					
Pres (psf)		10	12	14	16	18	20
1000	marriage	18.5	22.0	25.6	29.1	32.6	36.1
1500	marriage	12.3	14.7	17.0	19.4	21.7	24.1
2000	marriage	9.3	11.0	12.8	14.5	16.3	18.1
2500	marriage	7.4	8.8	10.2	11.6	13.0	14.4
3000	marriage	6.2	7.3	8.5	9.7	10.9	12.0
3500	marriage	5.3	6.3	7.3	8.3	9.3	10.3
4000	marriage	4.6	5.5	6.4	7.3	8.2	9.0

- * Minimum interior pier area is 1.0 sqft.
- The Exterior Footing Widths are shown in feet The Marriage Wall Footing Areas are shown in square feet

Aftg E5, E6 16'	 Multi-Section Width
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Required Effective Footing - Aftg *

Ground Snow: 90 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.6	1.6	1.7	1.8	1.9	2.0
	marriage	9.6	11.8	13.9	16.1	18.3	22.6
1500	ext wall	1.0	1.1	1.2	1.2	1.3	1.4
	marriage	6.4	7.8	9.3	10.7	12.2	15.1
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.8	5.9	7.0	8.1	9.1	11.3
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.8	4.7	5.6	6.4	7.3	9.1
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.2	3.9	4.6	5.4	6.1	7.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.4	4.0	4.6	5.2	6.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.5	4.0	4.6	5.7
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	19.6	23.3	27.1	30.8	34.6	38.3
1500	marriage	13.1	15.6	18.1	20.5	23.0	25.5
2000	marriage	9.8	11.7	13.5	15.4	17.3	19.1
2500	marriage	7.8	9.3	10.8	12.3	13.8	15.3
3000	marriage	6.5	7.8	9.0	10.3	11.5	12.8
3500	marriage	5.6	6.7	7.7	8.8	9.9	10.9
4000	marriage	4.9	5.8	6.8	7.7	8.6	9.6

Ground Snow: 100 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.6	1.7	1.8	1.9	1.9	2.1
	marriage	10.0	12.3	14.6	16.9	19.2	23.7
1500	ext wall	1.1	1.1	1.2	1.2	1.3	1.4
	marriage	6.7	8.2	9.7	11.2	12.8	15.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.1
	marriage	5.0	6.2	7.3	8.4	9.6	11.9
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.0	4.9	5.8	6.7	7.7	9.5
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.1	4.9	5.6	6.4	7.9
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.5	4.2	4.8	5.5	6.8
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.1	3.6	4.2	4.8	5.9
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	20.7	24.6	28.6	32.6	36.5	40.5
1500	marriage	13.8	16.4	19.1	21.7	24.3	27.0
2000	marriage	10.3	12.3	14.3	16.3	18.3	20.2
2500	marriage	8.3	9.9	11.4	13.0	14.6	16.2
3000	marriage	6.9	8.2	9.5	10.9	12.2	13.5
3500	marriage	5.9	7.0	8.2	9.3	10.4	11.6
4000	marriage	5.2	6.2	7.2	8.1	9.1	10.1

* Minimum interior pier area is 1.0 sqft.

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Multi-Section E7


Required Effective Footing - Aftg *

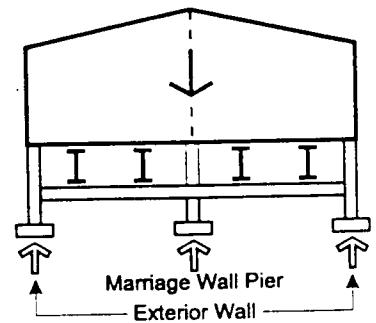
Min. Roof: 15 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.7	1.7	1.7	1.7	1.7	1.7
	marriage	6.0	7.1	8.2	9.3	10.4	12.6
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.0	4.7	5.5	6.2	6.9	8.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.1	4.6	5.2	6.3
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.8	3.3	3.7	4.2	5.0
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.7	3.1	3.5	4.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.3	2.7	3.0	3.6
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.0	2.3	2.6	3.1

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.2	11.9	13.6	15.4	17.1	18.8
1500	marriage	6.8	8.0	9.1	10.2	11.4	12.5
2000	marriage	5.1	6.0	6.8	7.7	8.5	9.4
2500	marriage	4.1	4.8	5.5	6.1	6.8	7.5
3000	marriage	3.4	4.0	4.5	5.1	5.7	6.3
3500	marriage	2.9	3.4	3.9	4.4	4.9	5.4
4000	marriage	2.6	3.0	3.4	3.8	4.3	4.7

Ground Snow: 25 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.8	1.8	1.7	1.7	1.7	1.7
	marriage	6.1	7.3	8.4	9.5	10.6	12.9
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.1	4.8	5.6	6.3	7.1	8.6
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.6	4.2	4.7	5.3	6.4
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	2.9	3.3	3.8	4.2	5.1
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.8	3.2	3.5	4.3
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.1	2.4	2.7	3.0	3.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.5	1.8	2.1	2.4	2.7	3.2

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.5	12.3	14.1	15.8	17.6	19.4
1500	marriage	7.0	8.2	9.4	10.5	11.7	12.9
2000	marriage	5.3	6.1	7.0	7.9	8.8	9.7
2500	marriage	4.2	4.9	5.6	6.3	7.0	7.7
3000	marriage	3.5	4.1	4.7	5.3	5.9	6.5
3500	marriage	3.0	3.5	4.0	4.5	5.0	5.5
4000	marriage	2.6	3.1	3.5	4.0	4.4	4.8

	Aftg E7 12'
Multi-Section Width	



Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.8	1.8	1.8	1.8	1.8	1.8
	marriage	6.3	7.5	8.6	9.8	10.9	13.3
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.2	5.0	5.7	6.5	7.3	8.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.7	4.3	4.9	5.5	6.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.4	3.9	4.4	5.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	2.9	3.3	3.6	4.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.1	2.5	2.8	3.1	3.8
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.6	1.9	2.2	2.4	2.7	3.3

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	10.9	12.8	14.6	16.5	18.3	20.2
1500	marriage	7.3	8.5	9.8	11.0	12.2	13.5
2000	marriage	5.5	6.4	7.3	8.2	9.2	10.1
2500	marriage	4.4	5.1	5.9	6.6	7.3	8.1
3000	marriage	3.6	4.3	4.9	5.5	6.1	6.7
3500	marriage	3.1	3.7	4.2	4.7	5.2	5.8
4000	marriage	2.7	3.2	3.7	4.1	4.6	5.0

* Minimum interior pier area is 1.0 sqft.

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Aftg E7 12"	
	Multi-Section Width

Required Effective Footing - Aftg *

Ground Snow: 40 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.8	1.8	1.8	1.8	1.8	1.8
	marriage	6.6	7.9	9.1	10.4	11.6	14.1
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.4	5.2	6.1	6.9	7.7	9.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	3.9	4.6	5.2	5.8	7.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.6	4.1	4.6	5.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.6	3.0	3.5	3.9	4.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.2	2.6	3.0	3.3	4.0
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.3	2.6	2.9	3.5

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.7	13.8	15.8	17.8	19.8	21.8
1500	marriage	7.8	9.2	10.5	11.9	13.2	14.5
2000	marriage	5.9	6.9	7.9	8.9	9.9	10.9
2500	marriage	4.7	5.5	6.3	7.1	7.9	8.7
3000	marriage	3.9	4.6	5.3	5.9	6.6	7.3
3500	marriage	3.4	3.9	4.5	5.1	5.7	6.2
4000	marriage	2.9	3.4	3.9	4.4	4.9	5.5

Ground Snow: 50 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.8	1.8	1.8
	marriage	6.9	8.3	9.6	10.9	12.3	14.9
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.6	5.5	6.4	7.3	8.2	9.9
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.1	4.8	5.5	6.1	7.5
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.3	3.8	4.4	4.9	6.0
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.8	3.2	3.6	4.1	5.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.7	3.1	3.5	4.3
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.1	2.4	2.7	3.1	3.7

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.6	14.7	16.9	19.1	21.3	23.4
1500	marriage	8.4	9.8	11.3	12.7	14.2	15.6
2000	marriage	6.3	7.4	8.5	9.5	10.6	11.7
2500	marriage	5.0	5.9	6.8	7.6	8.5	9.4
3000	marriage	4.2	4.9	5.6	6.4	7.1	7.8
3500	marriage	3.6	4.2	4.8	5.5	6.1	6.7
4000	marriage	3.1	3.7	4.2	4.8	5.3	5.9

Ground Snow: 60 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.9	1.9	1.9
	marriage	7.3	8.7	10.1	11.5	12.9	15.7
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	4.8	5.8	6.7	7.7	8.6	10.5
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.6	4.3	5.0	5.7	6.5	7.9
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.5	4.0	4.6	5.2	6.3
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.4	3.8	4.3	5.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	2.9	3.3	3.7	4.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.2	2.5	2.9	3.2	3.9


Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.4	15.7	18.1	20.4	22.7	25.1
1500	marriage	8.9	10.5	12.0	13.6	15.2	16.7
2000	marriage	6.7	7.9	9.0	10.2	11.4	12.5
2500	marriage	5.3	6.3	7.2	8.2	9.1	10.0
3000	marriage	4.5	5.2	6.0	6.8	7.6	8.4
3500	marriage	3.8	4.5	5.2	5.8	6.5	7.2
4000	marriage	3.3	3.9	4.5	5.1	5.7	6.3

Ground Snow: 70 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.9	1.9	1.9
	marriage	7.6	9.1	10.6	12.1	13.6	16.5
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.1	6.1	7.1	8.0	9.0	11.0
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.8	4.5	5.3	6.0	6.8	8.3
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.2	4.8	5.4	6.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	4.0	4.5	5.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.6	3.0	3.4	3.9	4.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.6	3.0	3.4	4.1

Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.2	16.7	19.2	21.7	24.2	26.7
1500	marriage	9.5	11.1	12.8	14.5	16.1	17.8
2000	marriage	7.1	8.3	9.6	10.9	12.1	13.4
2500	marriage	5.7	6.7	7.7	8.7	9.7	10.7
3000	marriage	4.7	5.6	6.4	7.2	8.1	8.9
3500	marriage	4.1	4.8	5.5	6.2	6.9	7.6
4000	marriage	3.5	4.2	4.8	5.4	6.1	6.7

- * Minimum interior pier area is 1.0 sqft
The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet

Required Effective Footing - Aftg *

	Aftg E7 12'
Multi-Section Width	

Ground Snow: 80 psf						
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)				
		4	5	6	7	8
1000	ext wall	2.0	2.0	2.0	2.0	2.0
	marriage	7.9	9.5	11.1	12.6	14.2
1500	ext wall	1.3	1.3	1.3	1.3	1.3
	marriage	5.3	6.3	7.4	8.4	9.5
2000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.0	4.7	5.5	6.3	7.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.2	3.8	4.4	5.1	5.7
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.2	3.7	4.2	4.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.7	3.2	3.6	4.1
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.8	3.2	3.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)				
		10	12	14	16	18
1000	marriage	15.0	17.7	20.3	23.0	25.7
1500	marriage	10.0	11.8	13.6	15.3	17.1
2000	marriage	7.5	8.8	10.2	11.5	12.8
2500	marriage	6.0	7.1	8.1	9.2	10.3
3000	marriage	5.0	5.9	6.8	7.7	8.6
3500	marriage	4.3	5.1	5.8	6.6	7.3
4000	marriage	3.8	4.4	5.1	5.8	6.4

Ground Snow: 100 psf						
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)				
		4	5	6	7	8
1000	ext wall	2.1	2.1	2.1	2.1	2.1
	marriage	8.6	10.3	12.0	13.8	15.5
1500	ext wall	1.4	1.4	1.4	1.4	1.4
	marriage	5.7	6.9	8.0	9.2	10.3
2000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.3	5.2	6.0	6.9	7.8
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.1	4.8	5.5	6.2
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.4	4.0	4.6	5.2
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	2.9	3.4	3.9	4.4
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.6	3.0	3.4	3.9
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)				
		10	12	14	16	18
1000	marriage	16.6	19.6	22.6	25.6	28.6
1500	marriage	11.1	13.1	15.1	17.1	19.1
2000	marriage	8.3	9.8	11.3	12.8	14.3
2500	marriage	6.7	7.9	9.1	10.2	11.4
3000	marriage	5.5	6.5	7.5	8.5	9.5
3500	marriage	4.8	5.6	6.5	7.3	8.2
4000	marriage	4.2	4.9	5.7	6.4	7.2

Ground Snow: 90 psf						
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)				
		4	5	6	7	8
1000	ext wall	2.0	2.0	2.0	2.0	2.0
	marriage	8.3	9.9	11.6	13.2	14.9
1500	ext wall	1.3	1.3	1.3	1.3	1.3
	marriage	5.5	6.6	7.7	8.8	9.9
2000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.1	5.0	5.8	6.6	7.4
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.0	4.6	5.3	5.9
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.3	3.9	4.4	5.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.8	3.3	3.8	4.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	2.9	3.3	3.7
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)				
		10	12	14	16	18
1000	marriage	15.8	18.7	21.5	24.3	27.1
1500	marriage	10.5	12.4	14.3	16.2	18.1
2000	marriage	7.9	9.3	10.7	12.2	13.6
2500	marriage	6.3	7.5	8.6	9.7	10.9
3000	marriage	5.3	6.2	7.2	8.1	9.0
3500	marriage	4.5	5.3	6.1	6.9	7.8
4000	marriage	4.0	4.7	5.4	6.1	6.8

- * Minimum interior pier area is 1.0 sqft.
- The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Aftg E7 14'	 Multi-Section Width
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Min. Roof: 15 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.8	1.8	1.8	1.8	1.8	1.8
	marriage	6.8	8.0	9.3	10.6	11.8	14.4
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.5	5.3	6.2	7.0	7.9	9.6
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.0	4.6	5.3	5.9	7.2
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.2	3.7	4.2	4.7	5.7
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.7	3.1	3.5	3.9	4.8
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.7	3.0	3.4	4.1
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.3	2.6	3.0	3.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	11.7	13.7	15.6	17.6	19.6	21.6
1500	marriage	7.8	9.1	10.4	11.8	13.1	14.4
2000	marriage	5.8	6.8	7.8	8.8	9.8	10.8
2500	marriage	4.7	5.5	6.3	7.1	7.9	8.6
3000	marriage	3.9	4.6	5.2	5.9	6.5	7.2
3500	marriage	3.3	3.9	4.5	5.0	5.6	6.2
4000	marriage	2.9	3.4	3.9	4.4	4.9	5.4

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.9	1.9	1.9
	marriage	7.1	8.4	9.8	11.1	12.5	15.2
1500	ext wall	1.3	1.2	1.2	1.2	1.2	1.2
	marriage	4.7	5.6	6.5	7.4	8.3	10.1
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.2	4.9	5.6	6.2	7.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.4	3.9	4.5	5.0	6.1
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.8	3.3	3.7	4.2	5.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.4	2.8	3.2	3.6	4.3
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.8	2.1	2.4	2.8	3.1	3.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.5	14.6	16.8	19.0	21.1	23.3
1500	marriage	8.3	9.8	11.2	12.6	14.1	15.5
2000	marriage	6.2	7.3	8.4	9.5	10.6	11.6
2500	marriage	5.0	5.9	6.7	7.6	8.4	9.3
3000	marriage	4.2	4.9	5.6	6.3	7.0	7.8
3500	marriage	3.6	4.2	4.8	5.4	6.0	6.6
4000	marriage	3.1	3.7	4.2	4.7	5.3	5.8

Required Effective Footing - Aftg *


Ground Snow: 25 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.8	1.8	1.8	1.8	1.8
	marriage	6.9	8.2	9.5	10.8	12.1	14.7
1500	ext wall	1.2	1.2	1.2	1.2	1.2	1.2
	marriage	4.6	5.5	6.3	7.2	8.1	9.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.1	4.7	5.4	6.1	7.4
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.3	3.8	4.3	4.8	5.9
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.7	3.2	3.6	4.0	4.9
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.3	2.7	3.1	3.5	4.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.7	2.0	2.4	2.7	3.0	3.7
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	12.0	14.1	16.1	18.2	20.2	22.3
1500	marriage	8.0	9.4	10.8	12.1	13.5	14.9
2000	marriage	6.0	7.0	8.1	9.1	10.1	11.2
2500	marriage	4.8	5.6	6.5	7.3	8.1	8.9
3000	marriage	4.0	4.7	5.4	6.1	6.7	7.4
3500	marriage	3.4	4.0	4.6	5.2	5.8	6.4
4000	marriage	3.0	3.5	4.0	4.5	5.1	5.6

Ground Snow: 40 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.9	1.9	1.9
	marriage	7.5	8.9	10.4	11.8	13.3	16.1
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.0	5.9	6.9	7.9	8.8	10.8
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.5	5.2	5.9	6.6	8.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.1	4.7	5.3	6.5
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	3.9	4.4	5.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	3.0	3.4	3.8	4.6
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.2	2.6	3.0	3.3	4.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.4	15.8	18.1	20.5	22.8	25.2
1500	marriage	9.0	10.5	12.1	13.7	15.2	16.8
2000	marriage	6.7	7.9	9.1	10.2	11.4	12.6
2500	marriage	5.4	6.3	7.3	8.2	9.1	10.1
3000	marriage	4.5	5.3	6.0	6.8	7.6	8.4
3500	marriage	3.8	4.5	5.2	5.9	6.5	7.2
4000	marriage	3.4	3.9	4.5	5.1	5.7	6.3

* Minimum interior pier area is 1.0 sqft.

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Required Effective Footing - Aftg *

	Aftg E7 14'
Multi-Section Width	

Ground Snow: 50 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.0	2.0	2.0	2.0	2.0	2.0
	marriage	7.8	9.4	10.9	12.5	14.0	17.1
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.2	6.3	7.3	8.3	9.3	11.4
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.7	5.5	6.2	7.0	8.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.4	5.0	5.6	6.8
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.6	4.2	4.7	5.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.1	3.6	4.0	4.9
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.3	2.7	3.1	3.5	4.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	14.4	16.9	19.5	22.0	24.5	27.1
1500	marriage	9.6	11.3	13.0	14.7	16.4	18.1
2000	marriage	7.2	8.5	9.7	11.0	12.3	13.5
2500	marriage	5.8	6.8	7.8	8.8	9.8	10.8
3000	marriage	4.8	5.6	6.5	7.3	8.2	9.0
3500	marriage	4.1	4.8	5.6	6.3	7.0	7.7
4000	marriage	3.6	4.2	4.9	5.5	6.1	6.8

Ground Snow: 70 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.1	2.1	2.1	2.1	2.1	2.0
	marriage	8.6	10.3	12.1	13.8	15.5	19.0
1500	ext wall	1.4	1.4	1.4	1.4	1.4	1.4
	marriage	5.7	6.9	8.1	9.2	10.4	12.7
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.3	5.2	6.0	6.9	7.8	9.5
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.4	4.1	4.8	5.5	6.2	7.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.4	4.0	4.6	5.2	6.3
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	3.9	4.4	5.4
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.6	3.0	3.5	3.9	4.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	16.3	19.2	22.2	25.1	28.0	30.9
1500	marriage	10.9	12.8	14.8	16.7	18.7	20.6
2000	marriage	8.2	9.6	11.1	12.5	14.0	15.5
2500	marriage	6.5	7.7	8.9	10.0	11.2	12.4
3000	marriage	5.4	6.4	7.4	8.4	9.3	10.3
3500	marriage	4.7	5.5	6.3	7.2	8.0	8.8
4000	marriage	4.1	4.8	5.5	6.3	7.0	7.7

Ground Snow: 60 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.0	2.0	2.0	2.0	2.0	2.0
	marriage	8.2	9.9	11.5	13.1	14.8	18.1
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.5	6.6	7.7	8.8	9.9	12.0
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.1	4.9	5.8	6.6	7.4	9.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	3.9	4.6	5.3	5.9	7.2
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.8	4.4	4.9	6.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.8	3.3	3.8	4.2	5.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	2.9	3.3	3.7	4.5
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.4	18.1	20.8	23.5	26.3	29.0
1500	marriage	10.2	12.1	13.9	15.7	17.5	19.3
2000	marriage	7.7	9.0	10.4	11.8	13.1	14.5
2500	marriage	6.1	7.2	8.3	9.4	10.5	11.6
3000	marriage	5.1	6.0	6.9	7.8	8.8	9.7
3500	marriage	4.4	5.2	5.9	6.7	7.5	8.3
4000	marriage	3.8	4.5	5.2	5.9	6.6	7.3

Ground Snow: 80 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.1	2.1	2.1	2.1	2.1	2.1
	marriage	9.0	10.8	12.7	14.5	16.3	20.0
1500	ext wall	1.4	1.4	1.4	1.4	1.4	1.4
	marriage	6.0	7.2	8.4	9.7	10.9	13.3
2000	ext wall	1.1	1.1	1.1	1.1	1.0	1.0
	marriage	4.5	5.4	6.3	7.2	8.2	10.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.6	4.3	5.1	5.8	6.5	8.0
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.2	4.8	5.4	6.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.6	4.1	4.7	5.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.2	3.6	4.1	5.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	17.3	20.4	23.5	26.6	29.7	32.8
1500	marriage	11.5	13.6	15.7	17.7	19.8	21.9
2000	marriage	8.6	10.2	11.7	13.3	14.9	16.4
2500	marriage	6.9	8.2	9.4	10.6	11.9	13.1
3000	marriage	5.8	6.8	7.8	8.9	9.9	10.9
3500	marriage	4.9	5.8	6.7	7.6	8.5	9.4
4000	marriage	4.3	5.1	5.9	6.7	7.4	8.2

- * Minimum interior pier area is 1.0 sqft
- The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet

Aftg E7 14'	
Multi-Section Width	

Required Effective Footing - Aftg *


Ground Snow: 90 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.2	2.2	2.2	2.2	2.1	2.1
	marriage	9.4	11.3	13.2	15.2	17.1	20.9
1500	ext wall	1.4	1.4	1.4	1.4	1.4	1.4
	marriage	6.3	7.5	8.8	10.1	11.4	14.0
2000	ext wall	1.1	1.1	1.1	1.1	1.1	1.1
	marriage	4.7	5.7	6.6	7.6	8.5	10.5
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.8	4.5	5.3	6.1	6.8	8.4
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.4	5.1	5.7	7.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.2	3.8	4.3	4.9	6.0
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.8	3.3	3.8	4.3	5.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	18.2	21.5	24.8	28.1	31.4	34.7
	marriage	12.2	14.4	16.6	18.8	21.0	23.2
2000	marriage	9.1	10.8	12.4	14.1	15.7	17.4
	marriage	7.3	8.6	9.9	11.3	12.6	13.9
3000	marriage	6.1	7.2	8.3	9.4	10.5	11.6
	marriage	5.2	6.2	7.1	8.0	9.0	9.9
4000	marriage	4.6	5.4	6.2	7.0	7.9	8.7

Ground Snow: 100 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.2	2.2	2.2	2.2	2.2	2.2
	marriage	9.8	11.8	13.8	15.8	17.8	21.9
1500	ext wall	1.5	1.5	1.5	1.5	1.5	1.5
	marriage	6.5	7.9	9.2	10.5	11.9	14.6
2000	ext wall	1.1	1.1	1.1	1.1	1.1	1.1
	marriage	4.9	5.9	6.9	7.9	8.9	10.9
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.7	5.5	6.3	7.1	8.8
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	3.9	4.6	5.3	5.9	7.3
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.8	3.4	3.9	4.5	5.1	6.3
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.5	4.0	4.5	5.5
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	19.2	22.7	26.2	29.7	33.2	36.7
	marriage	12.8	15.1	17.4	19.8	22.1	24.4
2000	marriage	9.6	11.3	13.1	14.8	16.6	18.3
	marriage	7.7	9.1	10.5	11.9	13.3	14.7
3000	marriage	6.4	7.6	8.7	9.9	11.1	12.2
	marriage	5.5	6.5	7.5	8.5	9.5	10.5
4000	marriage	4.8	5.7	6.5	7.4	8.3	9.2

* Minimum interior pier area is 1.0 sqft.

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Required Effective Footing - Aftg *

	Aftg E7 16'
Multi-Section Width	

Min. Roof: 15 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.9	1.9	1.9
	marriage	7.4	8.9	10.3	11.7	13.2	16.0
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.0	5.9	6.9	7.8	8.8	10.7
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.7	4.4	5.1	5.9	6.6	8.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.5	4.1	4.7	5.3	6.4
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.4	3.9	4.4	5.3
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	2.9	3.3	3.8	4.6
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.2	2.6	2.9	3.3	4.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.0	15.2	17.5	19.7	22.0	24.2
1500	marriage	8.7	10.2	11.7	13.2	14.7	16.2
2000	marriage	6.5	7.6	8.7	9.9	11.0	12.1
2500	marriage	5.2	6.1	7.0	7.9	8.8	9.7
3000	marriage	4.3	5.1	5.8	6.6	7.3	8.1
3500	marriage	3.7	4.4	5.0	5.6	6.3	6.9
4000	marriage	3.2	3.8	4.4	4.9	5.5	6.1

Ground Snow: 30 psf & Min. Roof: 20 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.0	2.0	2.0	2.0	1.9	1.9
	marriage	7.8	9.3	10.9	12.4	13.9	16.9
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.2	6.2	7.2	8.2	9.3	11.3
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.9	4.7	5.4	6.2	6.9	8.5
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.7	4.3	4.9	5.6	6.8
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.6	4.1	4.6	5.6
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.7	3.1	3.5	4.0	4.8
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.0	2.3	2.7	3.1	3.5	4.2
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.9	16.3	18.8	21.2	23.7	26.1
1500	marriage	9.3	10.9	12.5	14.1	15.8	17.4
2000	marriage	7.0	8.2	9.4	10.6	11.8	13.0
2500	marriage	5.6	6.5	7.5	8.5	9.5	10.4
3000	marriage	4.6	5.4	6.3	7.1	7.9	8.7
3500	marriage	4.0	4.7	5.4	6.1	6.8	7.5
4000	marriage	3.5	4.1	4.7	5.3	5.9	6.5

Ground Snow: 25 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	1.9	1.9	1.9	1.9	1.9	1.9
	marriage	7.6	9.1	10.5	12.0	13.5	16.4
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.1	6.0	7.0	8.0	9.0	10.9
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.8	4.5	5.3	6.0	6.7	8.2
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.2	4.8	5.4	6.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	4.0	4.5	5.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.6	3.0	3.4	3.8	4.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	1.9	2.3	2.6	3.0	3.4	4.1
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	13.4	15.7	18.0	20.3	22.7	25.0
1500	marriage	8.9	10.5	12.0	13.6	15.1	16.7
2000	marriage	6.7	7.8	9.0	10.2	11.3	12.5
2500	marriage	5.3	6.3	7.2	8.1	9.1	10.0
3000	marriage	4.5	5.2	6.0	6.8	7.6	8.3
3500	marriage	3.8	4.5	5.1	5.8	6.5	7.1
4000	marriage	3.3	3.9	4.5	5.1	5.7	6.3

Ground Snow: 40 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.0	2.0	2.0	2.0	2.0	2.0
	marriage	8.2	9.9	11.5	13.1	14.8	18.0
1500	ext wall	1.3	1.3	1.3	1.3	1.3	1.3
	marriage	5.5	6.6	7.7	8.8	9.8	12.0
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.1	4.9	5.8	6.6	7.4	9.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	3.9	4.6	5.3	5.9	7.2
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.8	4.4	4.9	6.0
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.8	3.3	3.8	4.2	5.2
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.1	2.5	2.9	3.3	3.7	4.5
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	15.0	17.7	20.3	23.0	25.6	28.3
1500	marriage	10.0	11.8	13.5	15.3	17.1	18.8
2000	marriage	7.5	8.8	10.2	11.5	12.8	14.1
2500	marriage	6.0	7.1	8.1	9.2	10.2	11.3
3000	marriage	5.0	5.9	6.8	7.7	8.5	9.4
3500	marriage	4.3	5.0	5.8	6.6	7.3	8.1
4000	marriage	3.8	4.4	5.1	5.7	6.4	7.1

- * Minimum interior pier area is 1.0 sqft.
- The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Aftg	
E7	Multi-Section
16'	Width

Ground Snow: 50 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.1	2.1	2.1	2.1	2.1	2.1
	marriage	8.7	10.4	12.2	13.9	15.6	19.1
1500	ext wall	1.4	1.4	1.4	1.4	1.4	1.4
	marriage	5.8	6.9	8.1	9.3	10.4	12.7
2000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.3	5.2	6.1	6.9	7.8	9.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.2	4.9	5.6	6.3	7.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.5	4.1	4.6	5.2	6.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	4.0	4.5	5.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.2	2.6	3.0	3.5	3.9	4.8
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	16.1	19.0	21.8	24.7	27.6	30.4
1500	marriage	10.7	12.6	14.5	16.5	18.4	20.3
2000	marriage	8.0	9.5	10.9	12.3	13.8	15.2
2500	marriage	6.4	7.6	8.7	9.9	11.0	12.2
3000	marriage	5.4	6.3	7.3	8.2	9.2	10.1
3500	marriage	4.6	5.4	6.2	7.1	7.9	8.7
4000	marriage	4.0	4.7	5.5	6.2	6.9	7.6

Ground Snow: 70 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.2	2.2	2.2	2.2	2.2	2.2
	marriage	9.5	11.5	13.5	15.4	17.4	21.3
1500	ext wall	1.5	1.5	1.4	1.4	1.4	1.4
	marriage	6.4	7.7	9.0	10.3	11.6	14.2
2000	ext wall	1.1	1.1	1.1	1.1	1.1	1.1
	marriage	4.8	5.7	6.7	7.7	8.7	10.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.8	4.6	5.4	6.2	6.9	8.5
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.2	3.8	4.5	5.1	5.8	7.1
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.8	4.4	5.0	6.1
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.4	2.9	3.4	3.9	4.3	5.3
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	18.3	21.6	24.9	28.2	31.5	34.8
1500	marriage	12.2	14.4	16.6	18.8	21.0	23.2
2000	marriage	9.1	10.8	12.4	14.1	15.7	17.4
2500	marriage	7.3	8.6	9.9	11.3	12.6	13.9
3000	marriage	6.1	7.2	8.3	9.4	10.5	11.6
3500	marriage	5.2	6.2	7.1	8.0	9.0	9.9
4000	marriage	4.6	5.4	6.2	7.0	7.9	8.7

Required Effective Footing - Aftg *


Ground Snow: 60 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.1	2.1	2.1	2.1	2.1	2.1
	marriage	9.1	11.0	12.8	14.7	16.5	20.2
1500	ext wall	1.4	1.4	1.4	1.4	1.4	1.4
	marriage	6.1	7.3	8.5	9.8	11.0	13.5
2000	ext wall	1.1	1.1	1.1	1.1	1.1	1.1
	marriage	4.6	5.5	6.4	7.3	8.3	10.1
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.6	4.4	5.1	5.9	6.6	8.1
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.7	4.3	4.9	5.5	6.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.7	4.2	4.7	5.8
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.3	2.7	3.2	3.7	4.1	5.0
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	17.2	20.3	23.3	26.4	29.5	32.6
1500	marriage	11.4	13.5	15.6	17.6	19.7	21.7
2000	marriage	8.6	10.1	11.7	13.2	14.8	16.3
2500	marriage	6.9	8.1	9.3	10.6	11.8	13.0
3000	marriage	5.7	6.8	7.8	8.8	9.8	10.9
3500	marriage	4.9	5.8	6.7	7.6	8.4	9.3
4000	marriage	4.3	5.1	5.8	6.6	7.4	8.1

Ground Snow: 80 psf							
Net Soil Pres (psf)		Transverse Girder and Pier Spacing (ft)					
		4	5	6	7	8	10
1000	ext wall	2.2	2.2	2.2	2.2	2.2	2.2
	marriage	10.0	12.0	14.1	16.2	18.2	22.4
1500	ext wall	1.5	1.5	1.5	1.5	1.5	1.5
	marriage	6.7	8.0	9.4	10.8	12.2	14.9
2000	ext wall	1.1	1.1	1.1	1.1	1.1	1.1
	marriage	5.0	6.0	7.1	8.1	9.1	11.2
2500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	4.0	4.8	5.6	6.5	7.3	8.9
3000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	3.3	4.0	4.7	5.4	6.1	7.5
3500	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.9	3.4	4.0	4.6	5.2	6.4
4000	ext wall	1.0	1.0	1.0	1.0	1.0	1.0
	marriage	2.5	3.0	3.5	4.0	4.6	5.6
Net Soil Pres (psf)		Marriage Wall Opening Width (ft)					
		10	12	14	16	18	20
1000	marriage	19.3	22.9	26.4	29.9	33.4	36.9
1500	marriage	12.9	15.2	17.6	19.9	22.3	24.6
2000	marriage	9.7	11.4	13.2	14.9	16.7	18.5
2500	marriage	7.7	9.1	10.6	12.0	13.4	14.8
3000	marriage	6.4	7.6	8.8	10.0	11.1	12.3
3500	marriage	5.5	6.5	7.5	8.5	9.5	10.6
4000	marriage	4.8	5.7	6.6	7.5	8.4	9.2

* Minimum interior pier area is 1.0 sqft

The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet

Required Effective Footing - Aftg *

	Aftg
Multi-Section	E7
Width	16'

Ground Snow: 90 psf						
Net Soil		Transverse Girder and Pier Spacing (ft)				
Pres (psf)		4	5	6	7	8
1000	ext wall	2.3	2.3	2.3	2.3	2.3
	marriage	10.4	12.6	14.8	16.9	19.1
1500	ext wall	1.5	1.5	1.5	1.5	1.5
	marriage	6.9	8.4	9.8	11.3	12.7
2000	ext wall	1.1	1.1	1.1	1.1	1.1
	marriage	5.2	6.3	7.4	8.5	9.6
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.2	5.0	5.9	6.8	7.6
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.5	4.2	4.9	5.6	6.4
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.0	3.6	4.2	4.8	5.5
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.6	3.1	3.7	4.2	4.8
Net Soil		Marriage Wall Opening Width (ft)				
Pres (psf)		10	12	14	16	18
1000	marriage	20.4	24.2	27.9	31.6	35.4
1500	marriage	13.6	16.1	18.6	21.1	23.6
2000	marriage	10.2	12.1	13.9	15.8	17.7
2500	marriage	8.2	9.7	11.2	12.7	14.1
3000	marriage	6.8	8.1	9.3	10.5	11.8
3500	marriage	5.8	6.9	8.0	9.0	10.1
4000	marriage	5.1	6.0	7.0	7.9	8.8

Ground Snow: 100 psf						
Net Soil		Transverse Girder and Pier Spacing (ft)				
Pres (psf)		4	5	6	7	8
1000	ext wall	2.3	2.3	2.3	2.3	2.3
	marriage	10.8	13.1	15.4	17.7	20.0
1500	ext wall	1.6	1.6	1.6	1.6	1.6
	marriage	7.2	8.8	10.3	11.8	13.3
2000	ext wall	1.2	1.2	1.2	1.2	1.2
	marriage	5.4	6.6	7.7	8.8	10.0
2500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	4.3	5.3	6.2	7.1	8.0
3000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.6	4.4	5.1	5.9	6.7
3500	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	3.1	3.8	4.4	5.1	5.7
4000	ext wall	1.0	1.0	1.0	1.0	1.0
	marriage	2.7	3.3	3.9	4.4	5.0
Net Soil		Marriage Wall Opening Width (ft)				
Pres (psf)		10	12	14	16	18
1000	marriage	21.5	25.5	29.4	33.4	37.3
1500	marriage	14.3	17.0	19.6	22.2	24.9
2000	marriage	10.8	12.7	14.7	16.7	18.7
2500	marriage	8.6	10.2	11.8	13.3	14.9
3000	marriage	7.2	8.5	9.8	11.1	12.4
3500	marriage	6.1	7.3	8.4	9.5	10.7
4000	marriage	5.4	6.4	7.4	8.3	9.3

* Minimum interior pier area is 1.0 sqft.

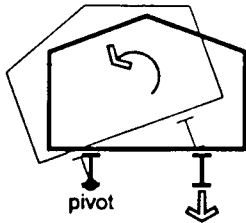
The Exterior Footing Widths are shown in feet. The Marriage Wall Footing Areas are shown in square feet.

Part 2

Required Vertical Anchorage - Av

Single-Section C

Av C 12'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs)

		Wind Speed (mph)	Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	970	1210	1450	1700	1940	2420	
	90	1360	1710	2050	2390	2730	3410	
	100	1810	2260	2710	3160	3610	4510	
	110	2290	2870	3440	4010	4580	5730	
Coastal	80	1120	1400	1680	1960	2240	2810	
	90	1560	1950	2340	2720	3110	3890	
	100	2040	2550	3060	3580	4090	5110	
	110	2580	3220	3870	4510	5160	6450	

Av C 14'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs)

		Wind Speed (mph)	Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	960	1200	1450	1690	1930	2410	
	90	1370	1710	2060	2400	2740	3430	
	100	1830	2280	2740	3200	3660	4570	
	110	2330	2910	3500	4080	4660	5830	
Coastal	80	1120	1400	1680	1960	2240	2800	
	90	1570	1960	2360	2750	3140	3930	
	100	2070	2590	3110	3630	4150	5180	
	110	2630	3290	3940	4600	5260	6570	

Av C 16'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs)

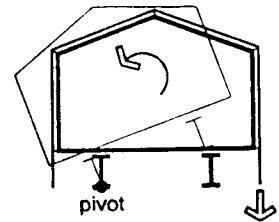
		Wind Speed (mph)	Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	900	1130	1360	1580	1810	2260	
	90	1310	1640	1960	2290	2620	3270	
	100	1760	2210	2650	3090	3530	4410	
	110	2270	2830	3400	3970	4530	5670	
Coastal	80	1060	1330	1590	1860	2120	2650	
	90	1510	1890	2260	2640	3020	3770	
	100	2010	2510	3010	3520	4020	5020	
	110	2560	3200	3840	4480	5130	6410	

Single-Section C1

Required Vertical Anchorage - A_v (lbs)

	Wind Speed (mph)	lbs/ft	Anchor Spacing (ft)					
			4	5	6	7	8	10
Inland	80	170	680	850	1020	1190	1360	1700
	90	240	960	1190	1430	1670	1910	2390
	100	320	1260	1580	1900	2210	2530	3160
	110	400	1610	2010	2410	2810	3210	4020
Coastal	80	200	790	980	1180	1380	1570	1970
	90	270	1090	1360	1640	1910	2180	2730
	100	360	1430	1790	2150	2510	2860	3580
	110	450	1810	2260	2710	3160	3620	4520

	A_v C1 12'
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Required Vertical Anchorage - A_v (lbs)

	Wind Speed (mph)	lbs/ft	Anchor Spacing (ft)					
			4	5	6	7	8	10
Inland	80	160	640	800	960	1120	1280	1610
	90	230	910	1140	1370	1600	1830	2290
	100	300	1220	1520	1830	2130	2440	3050
	110	390	1550	1940	2330	2720	3110	3890
Coastal	80	190	750	930	1120	1310	1490	1870
	90	260	1050	1310	1570	1830	2090	2620
	100	350	1380	1730	2070	2420	2760	3460
	110	440	1750	2190	2630	3070	3510	4380

	A_v C1 14'
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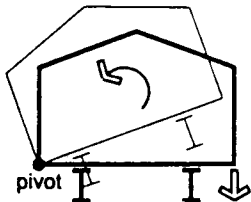
Required Vertical Anchorage - A_v (lbs)

	Wind Speed (mph)	lbs/ft	Anchor Spacing (ft)					
			4	5	6	7	8	10
Inland	80	150	610	770	920	1070	1230	1530
	90	220	890	1110	1330	1560	1780	2220
	100	300	1200	1500	1800	2090	2390	2990
	110	380	1540	1920	2310	2690	3080	3840
Coastal	80	180	720	900	1080	1260	1440	1800
	90	260	1020	1280	1540	1790	2050	2560
	100	340	1360	1700	2040	2390	2730	3410
	110	430	1740	2170	2610	3040	3480	4350

	A_v C1 16'
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Single-Section E

Av E 12'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs/ft)

	Wind Speed (mph)	lbs/ft
Inland	80	120
	90	190
	100	260
	110	340
Coastal	80	150
	90	220
	100	300
	110	390

Av E 14'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs/ft)

	Wind Speed (mph)	lbs/ft
Inland	80	120
	90	190
	100	270
	110	350
Coastal	80	150
	90	220
	100	310
	110	410

Av E 16'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs/ft)

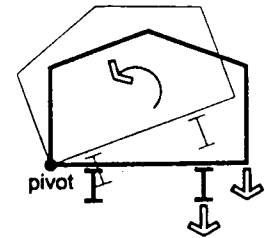
	Wind Speed (mph)	lbs/ft
Inland	80	120
	90	200
	100	280
	110	370
Coastal	80	150
	90	230
	100	320
	110	420

Single-Section E3

Required Vertical Anchorage - Av (lbs)


	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	80	230	290	350	410	470	590
	90	120	360	450	540	630	730	910
	100	160	510	630	760	890	1010	1270
	110	220	660	830	1000	1160	1330	1660
Coastal	80	90	280	350	430	500	570	710
	90	140	430	530	640	740	850	1060
	100	190	580	730	880	1020	1170	1460
	110	250	760	950	1140	1330	1520	1900

 Single-Section Width	Av E3 12'
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Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	80	230	290	350	400	460	580
	90	120	360	460	550	640	730	910
	100	170	510	640	770	900	1030	1290
	110	230	680	850	1020	1190	1360	1700
Coastal	80	90	280	350	420	490	560	710
	90	140	430	540	650	750	860	1080
	100	200	600	740	890	1040	1190	1490
	110	260	780	970	1170	1360	1560	1950

 Single-Section Width	Av E3 14'
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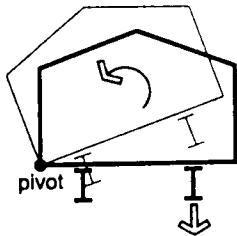
Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	80	230	290	350	410	470	590
	90	120	380	470	570	660	750	940
	100	180	540	670	810	940	1070	1340
	110	240	710	890	1070	1250	1430	1780
Coastal	80	100	290	360	430	510	580	720
	90	150	450	560	670	780	890	1120
	100	210	620	780	930	1090	1250	1560
	110	270	820	1020	1220	1430	1630	2040

 Single-Section Width	Av E3 16'
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Single-Section I

Av I 12'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs)

Wind Speed (mph)		Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	630	790	950	1100	1260	1580
	90	980	1220	1460	1710	1950	2440
	100	1360	1700	2040	2380	2720	3400
	110	1790	2230	2680	3130	3570	4470
Coastal	80	760	950	1140	1340	1530	1910
	90	1140	1430	1720	2000	2290	2860
	100	1570	1960	2350	2740	3140	3920
	110	2040	2550	3060	3570	4080	5100

Av I 14'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs)

Wind Speed (mph)		Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	640	800	960	1120	1280	1600
	90	1010	1270	1520	1770	2030	2530
	100	1430	1790	2150	2500	2860	3580
	110	1890	2360	2840	3310	3780	4730
Coastal	80	780	980	1180	1370	1570	1960
	90	1200	1490	1790	2090	2390	2990
	100	1660	2070	2480	2900	3310	4140
	110	2160	2700	3240	3790	4330	5410

Av I 16'	 Single-Section Width
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Required Vertical Anchorage - Av (lbs)

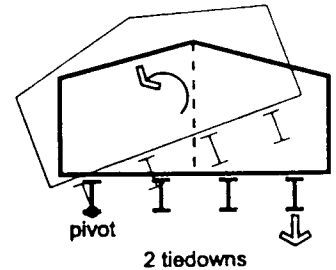
Wind Speed (mph)		Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	650	810	970	1130	1290	1610
	90	1040	1300	1550	1810	2070	2590
	100	1470	1840	2210	2580	2950	3680
	110	1960	2450	2940	3430	3910	4890
Coastal	80	800	1000	1190	1390	1590	1990
	90	1230	1530	1840	2150	2460	3070
	100	1710	2140	2560	2990	3420	4270
	110	2240	2800	3360	3920	4490	5610

Multi-Section C

Required Vertical Anchorage - Av (lbs)


Wind Speed (mph)		Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	570	710	860	1000	1140	1430
	90	990	1230	1480	1730	1980	2470
	100	1450	1820	2180	2540	2910	3630
	110	1970	2460	2950	3440	3930	4920
Coastal	80	730	910	1100	1280	1460	1830
	90	1190	1490	1790	2080	2380	2980
	100	1700	2130	2560	2980	3410	4260
	110	2270	2840	3410	3970	4540	5680

 Multi-Section Width Tie-downs	Av
	C
	12'
	2




Required Vertical Anchorage - Av (lbs)

Wind Speed (mph)		Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	640	800	960	1120	1280	1600
	90	1110	1380	1660	1930	2210	2760
	100	1630	2030	2440	2840	3250	4060
	110	2200	2750	3300	3850	4400	5500
Coastal	80	820	1020	1230	1430	1640	2050
	90	1330	1670	2000	2330	2670	3330
	100	1910	2380	2860	3340	3810	4770
	110	2540	3180	3810	4450	5080	6350


 Multi-Section Width Tie-downs	Av
	C
	14'
	2

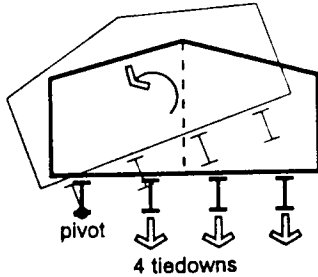
Required Vertical Anchorage - Av (lbs)

Wind Speed (mph)		Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	700	880	1050	1230	1400	1750
	90	1210	1510	1820	2120	2420	3030
	100	1780	2230	2670	3120	3560	4450
	110	2410	3010	3620	4220	4820	6030
Coastal	80	900	1120	1350	1570	1790	2240
	90	1460	1820	2190	2550	2920	3650
	100	2090	2610	3130	3650	4180	5220
	110	2780	3480	4180	4870	5570	6960

 Multi-Section Width Tie-downs	Av
	C
	16'
	2


Multi-Section C

Av C 12' 4	 Multi-Section Width Tiedowns
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Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	370	460	550	650	740	920
	90	640	800	960	1120	1280	1600
	100	940	1180	1410	1650	1880	2350
	110	1270	1590	1910	2230	2550	3180
Coastal	80	470	590	710	830	950	1180
	90	770	960	1160	1350	1540	1930
	100	1100	1380	1650	1930	2210	2760
	110	1470	1840	2210	2570	2940	3680

Av C 14' 4	 Multi-Section Width Tiedowns
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Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	410	510	620	720	820	1030
	90	710	890	1070	1240	1420	1780
	100	1050	1310	1570	1830	2090	2610
	110	1410	1770	2120	2480	2830	3540
Coastal	80	530	660	790	920	1050	1320
	90	860	1070	1290	1500	1710	2140
	100	1230	1530	1840	2140	2450	3060
	110	1630	2040	2450	2860	3270	4080

Av C 16' 4	 Multi-Section Width Tiedowns
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Required Vertical Anchorage - Av (lbs)

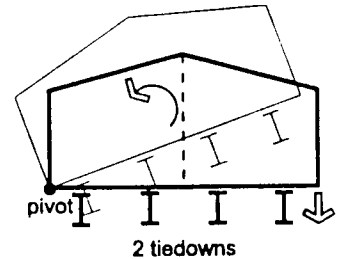
	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	450	560	680	790	900	1130
	90	780	980	1170	1370	1560	1950
	100	1150	1430	1720	2010	2300	2870
	110	1550	1940	2330	2720	3110	3880
Coastal	80	580	720	870	1010	1160	1450
	90	940	1180	1410	1650	1880	2350
	100	1350	1680	2020	2360	2690	3370
	110	1790	2240	2690	3140	3590	4480

Multi-Section E

Required Vertical Anchorage - Av (lbs/ft)


	Wind Speed (mph)	Exterior (lbs/ft)
Inland	80	110
	90	210
	100	310
	110	430
Coastal	80	150
	90	250
	100	370
	110	500

	Av
Multi-Section	E
Width	12'
Tiedowns	2




Required Vertical Anchorage - Av (lbs/ft)

	Wind Speed (mph)	Exterior (lbs/ft)
Inland	80	130
	90	240
	100	360
	110	490
Coastal	80	170
	90	290
	100	420
	110	570


	Av
Multi-Section	E
Width	14'
Tiedowns	2

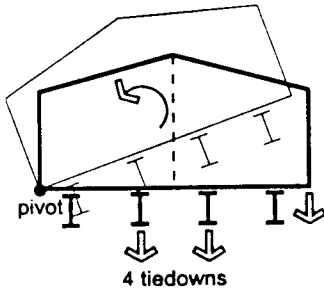
Required Vertical Anchorage - Av (lbs/ft)

	Wind Speed (mph)	Exterior (lbs/ft)
Inland	80	150
	90	270
	100	400
	110	550
Coastal	80	190
	90	330
	100	480
	110	640

	Av
Multi-Section	E
Width	16'
Tiedowns	2

Multi-Section E

Av	
E	Multi-Section
12'	Width
4	Tiedowns



Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	70	180	230	270	320	360	450
	90	140	330	420	500	590	670	840
	100	210	510	630	760	890	1020	1270
	110	280	700	870	1050	1220	1400	1750
Coastal	80	100	240	300	360	420	480	600
	90	170	410	510	620	720	820	1030
	100	240	600	750	900	1050	1200	1500
	110	330	810	1010	1220	1420	1620	2030

Av	
E	Multi-Section
14'	Width
4	Tiedowns

Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	80	210	270	320	370	420	530
	90	160	390	490	580	680	780	970
	100	230	590	730	880	1030	1170	1470
	110	320	810	1010	1210	1410	1610	2010
Coastal	80	110	280	350	420	490	560	700
	90	190	480	590	710	830	950	1190
	100	280	690	870	1040	1210	1390	1730
	110	370	930	1170	1400	1640	1870	2340

Av	
E	Multi-Section
16'	Width
4	Tiedowns


Required Vertical Anchorage - Av (lbs)

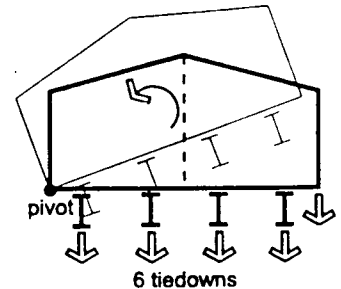
	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	100	240	300	360	420	480	600
	90	180	440	540	650	760	870	1090
	100	260	650	820	980	1150	1310	1640
	110	360	900	1120	1340	1570	1790	2240
Coastal	80	130	320	390	470	550	630	790
	90	210	530	660	800	930	1060	1330
	100	310	770	970	1160	1350	1540	1930
	110	420	1040	1300	1560	1820	2080	2600

Multi-Section E3

Required Vertical Anchorage - Av (lbs)


	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	50	170	210	260	300	340	430
	90	90	320	400	480	560	640	800
	100	140	480	600	720	840	970	1210
	110	190	660	830	1000	1160	1330	1660
Coastal	80	60	230	290	340	400	460	570
	90	110	390	490	590	680	780	980
	100	160	570	710	860	1000	1140	1430
	110	220	770	960	1160	1350	1540	1930

	Av
Multi-Section	E3
Width	12'
Tiedowns	6




Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	60	200	250	300	350	400	490
	90	100	360	450	540	640	730	910
	100	160	550	680	820	960	1100	1370
	110	210	750	940	1130	1320	1500	1880
Coastal	80	70	260	330	390	460	520	650
	90	130	440	550	670	780	890	1110
	100	180	650	810	970	1130	1290	1620
	110	250	870	1090	1310	1530	1740	2180


	Av
Multi-Section	E3
Width	14'
Tiedowns	6

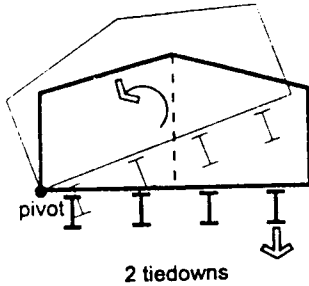
Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Exterior (lbs/ft)	Interior Pier Spacing (ft)					
			4	5	6	7	8	10
Inland	80	60	230	280	340	400	450	560
	90	120	410	510	610	720	820	1020
	100	170	610	770	920	1080	1230	1540
	110	240	840	1050	1260	1470	1680	2100
Coastal	80	80	300	370	450	520	590	740
	90	140	500	620	750	870	1000	1250
	100	210	730	910	1090	1270	1450	1810
	110	280	980	1220	1460	1710	1950	2440

	Av
Multi-Section	E3
Width	16'
Tiedowns	6


Multi-Section I

Av I 12' 2	 Multi-Section Width Tiedowns
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Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	510	630	760	890	1010	1260
	90	940	1170	1410	1640	1880	2350
	100	1420	1780	2140	2490	2850	3560
	110	1960	2450	2940	3430	3920	4900
Coastal	80	670	840	1010	1180	1350	1680
	90	1150	1440	1730	2010	2300	2880
	100	1690	2110	2530	2950	3370	4210
	110	2280	2840	3410	3980	4550	5690

Av I 14' 2	 Multi-Section Width Tiedowns
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Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	590	740	890	1040	1190	1480
	90	1090	1360	1630	1910	2180	2720
	100	1640	2050	2460	2880	3290	4110
	110	2260	2820	3380	3950	4510	5640
Coastal	80	780	980	1180	1370	1570	1960
	90	1330	1660	2000	2330	2660	3330
	100	1940	2430	2910	3400	3880	4860
	110	2620	3270	3930	4580	5230	6540

Av I 16' 2	 Multi-Section Width Tiedowns
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Required Vertical Anchorage - Av (lbs)

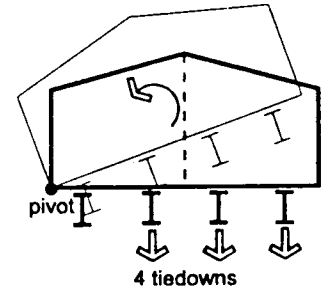
	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	670	840	1010	1180	1350	1680
	90	1220	1530	1830	2140	2440	3050
	100	1830	2290	2750	3210	3670	4580
	110	2510	3140	3770	4390	5020	6280
Coastal	80	880	1110	1330	1550	1770	2210
	90	1490	1860	2230	2610	2980	3720
	100	2160	2710	3250	3790	4330	5410
	110	2910	3640	4370	5090	5820	7280

Multi-Section I

Required Vertical Anchorage - Av (lbs)


	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	300	380	450	530	600	760
	90	560	700	840	980	1120	1400
	100	850	1060	1280	1490	1700	2130
	110	1170	1460	1760	2050	2340	2930
Coastal	80	400	500	600	700	800	1010
	90	690	860	1030	1200	1380	1720
	100	1010	1260	1510	1760	2020	2520
	110	1360	1700	2040	2380	2720	3400

	Av
Multi-Section	I
Width	12'
Tiedowns	4




Required Vertical Anchorage - Av (lbs)

	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	350	440	530	610	700	880
	90	640	800	960	1130	1290	1610
	100	970	1210	1460	1700	1940	2430
	110	1330	1660	2000	2330	2660	3330
Coastal	80	460	580	700	810	930	1160
	90	790	980	1180	1380	1570	1960
	100	1150	1430	1720	2010	2290	2870
	110	1540	1930	2320	2700	3090	3860

	Av
Multi-Section	I
Width	14'
Tiedowns	4


Required Vertical Anchorage - Av (lbs)

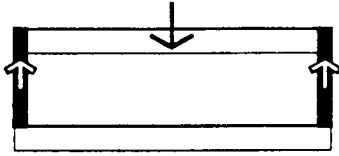
	Wind Speed (mph)	Pier Spacing (ft)					
		4	5	6	7	8	10
Inland	80	400	500	600	700	800	1000
	90	720	910	1090	1270	1450	1810
	100	1090	1360	1630	1900	2170	2720
	110	1490	1860	2230	2610	2980	3720
Coastal	80	520	660	790	920	1050	1310
	90	880	1100	1320	1550	1770	2210
	100	1280	1600	1920	2250	2570	3210
	110	1730	2160	2590	3020	3450	4310

	Av
Multi-Section	I
Width	16'
Tiedowns	4

Part 3 Required Horizontal Anchorage - Ah - Transverse Direction


Single-Section C, E, I

Ah C, E, I 12' 2	 Single-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

	Wind Speed (mph)	Seismic Δa	Ground Snow (psf)	Location	Length (ft)					
					40	50	60	70	80	90 100
Inland	80	All Seismic		end	540	680	820	950	1090	1230 1370
	90	All Seismic		end	690	870	1040	1210	1390	1560 1730
	100	All Seismic		end	860	1070	1280	1500	1710	1930 2140
	110	All Seismic		end	1040	1290	1550	1810	2070	2330 2590
Coastal	80	All Seismic		end	600	750	900	1050	1210	1360 1510
	90	All Seismic		end	760	960	1150	1340	1530	1720 1910
	100	All Seismic		end	940	1180	1420	1650	1890	2120 2360
	110	All Seismic		end	1140	1430	1710	2000	2280	2570 2850

Ah C, E, I 14' 2	 Single-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

	Wind Speed (mph)	Seismic Δa	Ground Snow (psf)	Location	Length (ft)					
					40	50	60	70	80	90 100
Inland	80	.05-.30	0-100	end	480	600	720	840	960	1080 1200
			.40 0-90	end	480	600	720	840	960	1080 1200
			100	end	490	610	720	840	960	1080 1200
	90	All Seismic		end	610	760	910	1060	1210	1370 1520
	100	All Seismic		end	750	940	1120	1310	1500	1690 1870
	110	All Seismic		end	910	1130	1360	1590	1810	2040 2270
Coastal	80	All Seismic		end	530	660	790	920	1060	1190 1320
	90	All Seismic		end	670	840	1000	1170	1340	1510 1670
	100	All Seismic		end	830	1030	1240	1450	1650	1860 2070
	110	All Seismic		end	1000	1250	1500	1750	2000	2250 2500

Ah C, E, I 16' 2	 Single-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


	Wind Speed (mph)	Seismic Δa	Ground Snow (psf)	Location	Length (ft)					
					40	50	60	70	80	90 100
Inland	80	.05-.30	0-100	end	430	540	650	760	860	970 1080
			.40 0-80	end	430	540	650	760	860	970 1080
			90	end	450	560	670	780	890	1000 1110
			100	end	490	600	720	840	960	1080 1200
	90	All Seismic		end	550	690	820	960	1100	1230 1370
	100	All Seismic		end	680	850	1020	1180	1350	1520 1690
	110	All Seismic		end	820	1020	1230	1430	1640	1840 2050

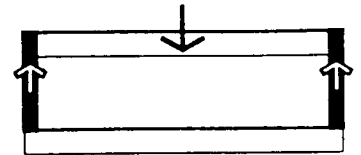
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Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Coastal	80	.05-.30	end	480	600	720	830	950	1070	1190
			int	480	600	720	830	950	1070	1190
			end	490	600	720	840	960	1080	1200
	90	All Seismic	end	600	760	910	1060	1210	1360	1510
			int	600	760	910	1060	1210	1360	1510
			end	750	930	1120	1310	1490	1680	1870
	110	All Seismic	end	900	1130	1350	1580	1810	2030	2260
			int	900	1130	1350	1580	1810	2030	2260

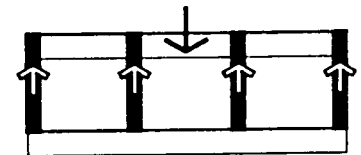
	Ah
Single-Section	C, E, I
Width	16'
Short Walls	2



Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Inland	80	All Seismic	end	180	220	270	320	360	410	450
			int	360	450	540	630	720	810	900
			end	230	290	350	400	460	520	580
			int	460	580	690	810	920	1040	1150
	100	All Seismic	end	290	360	430	500	570	640	710
			int	570	710	860	1000	1140	1280	1430
			end	350	430	520	600	690	780	860
			int	690	860	1040	1210	1380	1550	1730
	110	All Seismic	end	200	250	300	350	400	450	500
			int	400	500	600	700	800	900	1000
	90	All Seismic	end	250	320	380	450	510	570	640
			int	510	640	760	890	1020	1150	1270
Coastal	80	All Seismic	end	310	390	470	550	630	710	790
			int	630	790	940	1100	1260	1420	1570
	100	All Seismic	end	380	480	570	670	760	860	950
			int	760	950	1140	1330	1520	1710	1900


	Ah
Single-Section	C, E, I
Width	12'
Short Walls	4




Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

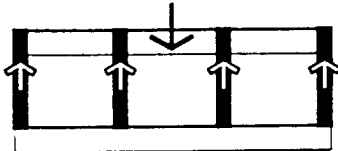
Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Inland	80	.05-.30	end	160	200	240	280	320	360	400
			int	310	390	470	550	630	710	790
			end	160	200	240	280	320	360	400
			int	310	390	470	550	630	710	790
		100	end	160	200	240	280	320	360	400
			int	320	400	480	560	640	720	800
			end	200	250	300	350	400	460	510
			int	400	510	610	710	810	910	1010
	100	All Seismic	end	250	310	370	440	500	560	620
			int	500	620	750	870	1000	1120	1250
	110	All Seismic	end	300	380	450	530	600	680	760
			int	600	760	910	1060	1210	1360	1510

table continues

	Ah
Single-Section	C, E, I
Width	14'
Short Walls	4

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

Ah C, E, I 14' 4	 Single-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)		Seismic Aa	Ground Snow (psf)	Location	Length (ft)					
					40	50	60	70	80	90
Coastal	80	All Seismic	end	170	220	260	310	350	400	440
			int	350	440	530	610	700	790	880
	90	All Seismic	end	220	280	330	390	450	500	560
			int	450	560	670	780	890	1000	1120
	100	All Seismic	end	280	340	410	480	550	620	690
			int	550	690	830	960	1100	1240	1380
	110	All Seismic	end	330	420	500	580	670	750	830
			int	670	830	1000	1170	1330	1500	1670

Ah C, E, I 16' 4	 Single-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

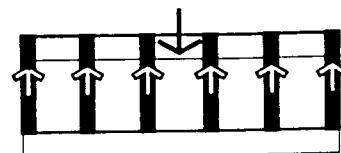
Wind Speed (mph)		Seismic Ground		Location	Length (ft)							
		Aa	Snow (psf)		40	50	60	70	80	90	100	
Inland	80	.05-.30	0-100	end	140	180	210	250	290	320	360	
				int	280	360	430	500	570	640	720	
		.40	0-80	end	140	180	210	250	290	320	360	
				int	280	360	430	500	570	640	720	
		90		end	150	190	220	260	300	330	370	
				int	300	380	450	520	600	670	740	
		100		end	160	200	240	280	320	360	400	
				int	320	400	480	560	640	720	800	
		90	All Seismic	end	180	230	270	320	370	410	460	
				int	370	460	550	640	730	820	910	
		100	All Seismic	end	230	280	340	390	450	510	560	
				int	450	560	680	790	900	1020	1130	
	110	All Seismic	end	270	340	410	480	550	610	680		
			int	550	680	820	960	1090	1230	1370		
	Coastal	80	.05-.30	0-100	end	160	200	240	280	320	360	400
					int	320	400	480	560	630	710	790
			.40	0-90	end	160	200	240	280	320	360	400
					int	320	400	480	560	630	710	790
100				end	160	200	240	280	320	360	400	
				int	320	400	480	560	640	720	800	
90		All Seismic	end	200	250	300	350	400	450	500		
			int	400	500	600	710	810	910	1010		
100		All Seismic	end	250	310	370	440	500	560	620		
			int	500	620	750	870	1000	1120	1240		
110		All Seismic	end	300	380	450	530	600	680	750		
			int	600	750	900	1050	1200	1350	1510		

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Inland	80	All Seismic	end	110	130	160	190	220	240	270
			int	210	270	320	380	430	490	540
	90	All Seismic	end	140	170	210	240	280	310	350
			int	280	350	420	480	550	620	690
	100	All Seismic	end	170	210	260	300	340	390	430
			int	340	430	510	600	680	770	860
	110	All Seismic	end	210	260	310	360	410	470	520
			int	410	520	620	720	830	930	1040
Coastal	80	All Seismic	end	120	150	180	210	240	270	300
			int	240	300	360	420	480	540	600
	90	All Seismic	end	150	190	230	270	310	340	380
			int	310	380	460	530	610	690	760
	100	All Seismic	end	190	240	280	330	380	420	470
			int	380	470	570	660	750	850	940
	110	All Seismic	end	230	290	340	400	460	510	570
			int	460	570	680	800	910	1030	1140

 Single-Section Width Short Walls	Ah
	C, E, I
	12' 6




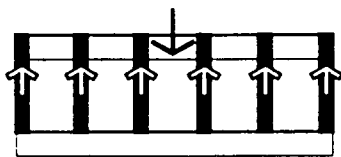
Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Inland	80	.05-.30	end	90	120	140	160	190	210	240
			int	190	230	280	330	380	430	470
		.40	end	90	120	140	160	190	210	240
			int	190	230	280	330	380	430	470
		100	end	100	120	140	170	190	220	240
			int	190	240	290	340	380	430	480
	90	All Seismic	end	120	150	180	210	240	270	300
			int	240	300	360	430	490	550	610
	100	All Seismic	end	150	190	220	260	300	340	370
			int	300	370	450	520	600	670	750
	110	All Seismic	end	180	230	270	320	360	410	450
			int	360	450	540	640	730	820	910
Coastal	80	All Seismic	end	100	130	160	180	210	240	260
			int	210	260	310	370	420	470	530
	90	All Seismic	end	130	170	200	230	270	300	330
			int	270	330	400	470	540	600	670
	100	All Seismic	end	170	210	250	290	330	370	410
			int	330	410	500	580	660	740	830
	110	All Seismic	end	200	250	300	350	400	450	500
			int	400	500	600	700	800	900	1000

 Single-Section Width Short Walls	Ah
	C, E, I
	14' 6

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

Ah C, E, I 16' 6"	 Single-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

	Wind Speed (mph)	Seismic Ground		Location	Length (ft)						
		Aa	Snow (psf)		40	50	60	70	80	90	100
Inland	80	.05-.30	0-100	end	80	110	130	150	170	190	210
				int	170	210	260	300	340	380	430
		.40	0-80	end	80	110	130	150	170	190	210
				int	170	210	260	300	340	380	430
		90		end	90	110	130	160	180	200	220
				int	180	230	270	310	360	400	450
		100		end	100	120	140	170	190	220	240
				int	190	240	290	340	380	430	480
	90	All Seismic	end	110	140	160	190	220	250	270	
			int	220	270	330	380	440	490	550	
	100	All Seismic	end	140	170	200	240	270	300	340	
			int	270	340	410	470	540	610	680	
	110	All Seismic	end	160	200	250	290	330	370	410	
			int	330	410	490	570	660	740	820	
Coastal	80	.05-.30	0-100	end	90	120	140	170	190	210	240
				int	190	240	280	330	380	430	480
		.40	0-90	end	90	120	140	170	190	210	240
				int	190	240	280	330	380	430	480
		100		end	100	120	140	170	190	220	240
				int	190	240	290	340	380	430	480
		90	All Seismic	end	120	150	180	210	240	270	300
				int	240	300	360	420	480	540	600
	100	All Seismic	end	150	190	220	260	300	340	370	
			int	300	370	450	520	600	670	750	
	110	All Seismic	end	180	230	270	320	360	410	450	
			int	360	450	540	630	720	810	900	


Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

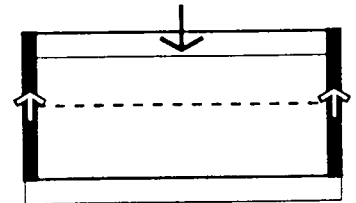
Multi-Section C, E, I

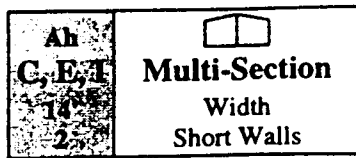
Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)									
				40	50	60	70	80	90	100			
Inland	80	.05-.20	0-100	end	310	390	470	550	630	710	790		
			0-70	end	310	390	470	550	630	710	790		
			80	end	320	390	470	550	630	710	790		
			90	end	340	420	510	590	670	760	840		
			100	end	370	460	550	630	720	810	900		
		.40	0-40	end	310	390	470	550	630	710	790		
			50	end	320	400	480	550	630	710	790		
			60	end	360	440	530	610	700	780	870		
			70	end	390	480	580	670	770	860	950		
			80	end	420	530	630	730	830	930	1040		
	90	.05-.30	0-100	end	400	500	600	700	800	900	1000		
			0-70	end	400	500	600	700	800	900	1000		
			80	end	420	530	630	730	830	930	1040		
			90	end	460	570	680	790	900	1010	1120		
			100	end	490	610	730	850	960	1080	1200		
	100	All Seismic	end	490	620	740	870	990	1110	1240			
	110	All Seismic	end	600	750	900	1050	1200	1350	1500			
	Coastal	80	.05-.20	0-100	end	350	430	520	610	700	780	870	
				0-90	end	350	430	520	610	700	780	870	
				100	end	370	460	550	630	720	810	900	
.40				0-50	end	350	430	520	610	700	780	870	
				60	end	360	440	530	610	700	780	870	
			70	end	390	480	580	670	770	860	950		
80			end	420	530	630	730	830	930	1040			
90			end	460	570	680	790	900	1010	1120			
100			end	490	610	730	850	960	1080	1200			
90			.05-.30	0-100	end	440	550	660	770	880	990	1100	
		0-80		end	440	550	660	770	880	990	1100		
		90		end	460	570	680	790	900	1010	1120		
		100		end	490	610	730	850	960	1080	1200		
		100	All Seismic	end	540	680	820	950	1090	1230	1360		
				110	All Seismic	end	660	820	990	1150	1320	1480	1650

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

	Ah C, E, I
Multi-Section Width Short Walls	12' 2





Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

	Wind Speed (mph)	Seismic Ground		Location	Length (ft)								
		Aa	Snow (psf)		40	50	60	70	80	90	100		
Inland	80	.05-.20	0-100	end	280	350	420	490	560	630	700		
			.30	0-60	end	280	350	420	490	560	630	700	
			70	end	290	360	430	500	560	630	700		
			80	end	310	390	460	540	610	690	760		
			90	end	340	420	500	580	660	750	830		
			100	end	360	450	540	630	710	800	890		
		.40	0-40	end	280	350	420	490	560	630	700		
			50	end	320	390	470	540	620	700	770		
			60	end	350	430	520	600	690	770	850		
			70	end	380	480	570	660	750	840	940		
			80	end	420	520	620	720	820	920	1020		
			90	end	450	560	670	780	880	990	1100		
			100	end	480	600	720	830	950	1070	1190		
	90	.05-.30	0-100	end	360	450	540	630	720	800	890		
			.40	0-60	end	360	450	540	630	720	800	890	
			70	end	380	480	570	660	750	840	940		
		.40	80	end	420	520	620	720	820	920	1020		
			90	end	450	560	670	780	880	990	1100		
			100	end	480	600	720	830	950	1070	1190		
	100	.05-.30	0-100	end	440	550	660	770	880	990	1100		
			.40	0-80	end	440	550	660	770	880	990	1100	
			90	end	450	560	670	780	880	990	1100		
		.40	100	end	480	600	720	830	950	1070	1190		
			All Seismic	end	530	670	800	930	1070	1200	1340		
				Coastal	80	.05-.20	0-100	end	310	390	470	540	620
.30	0-80	end					310	390	470	540	620	700	780
90	end	340	420				500	580	660	750	830		
100	end	360	450				540	630	710	800	890		
.40	0-40	end	310			390	470	540	620	700	780		
	50	end	320			390	470	540	620	700	780		
	60	end	350			430	520	600	690	770	850		
	70	end	380			480	570	660	750	840	940		
	80	end	420			520	620	720	820	920	1020		
	90	end	450			560	670	780	880	990	1100		
	100	end	480			600	720	830	950	1070	1190		
90	.05-.30	0-100	end		390	490	590	690	790	890	990		
		.40	0-70		end	390	490	590	690	790	890	990	
		80	end		420	520	620	720	820	920	1020		
		90	end		450	560	670	780	880	990	1100		
	.40	100	end		480	600	720	830	950	1070	1190		
		All Seismic	end		490	610	730	850	970	1090	1220		
			100		All Seismic	end	590	740	880	1030	1180	1320	1470


Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

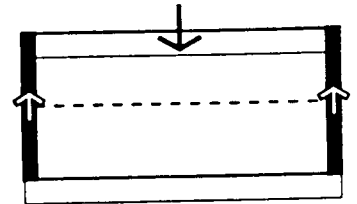
Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


Wind Speed (mph)	Seismic Δa	Ground Snow (psf)	Location	Length (ft)								
				40	50	60	70	80	90	100		
Inland	80	.05-.20	0-100	end	260	320	390	450	520	580	650	
			0-50	end	260	320	390	450	520	580	650	
			60	end	260	330	390	450	520	580	650	
			70	end	290	360	430	490	560	630	700	
			80	end	310	390	460	540	610	690	760	
			90	end	340	420	500	580	660	740	830	
			100	end	360	450	540	630	710	800	890	
		.40	0-40	end	260	320	390	450	520	580	650	
			50	end	320	390	470	540	620	690	770	
			60	end	350	430	520	600	680	770	850	
			70	end	380	480	570	660	750	840	940	
			80	end	420	520	620	720	820	920	1020	
			90	end	450	560	670	780	880	990	1100	
			100	end	480	600	720	830	950	1070	1190	
	90	.05-.20	0-100	end	330	410	490	570	660	740	820	
			0-80	end	330	410	490	570	660	740	820	
			90	end	340	420	500	580	660	740	830	
			100	end	360	450	540	630	710	800	890	
		.40	0-50	end	330	410	490	570	660	740	820	
			60	end	350	430	520	600	680	770	850	
			70	end	380	480	570	660	750	840	940	
			80	end	420	520	620	720	820	920	1020	
			90	end	450	560	670	780	880	990	1100	
			100	end	480	600	720	830	950	1070	1190	
	100	.05-.30	0-100	end	400	510	610	710	810	910	1010	
			0-70	end	400	510	610	710	810	910	1010	
			80	end	420	520	620	720	820	920	1020	
			90	end	450	560	670	780	880	990	1100	
		100	end	480	600	720	830	950	1070	1190		
		110	All Seismic	end	490	610	730	860	980	1100	1220	
Coastal	80	.05-.20	0-100	end	290	360	430	500	570	640	710	
			0-70	end	290	360	430	500	570	640	710	
			80	end	310	390	460	540	610	690	760	
			90	end	340	420	500	580	660	740	830	
			100	end	360	450	540	630	710	800	890	
			.40	0-40	end	290	360	430	500	570	640	710
				50	end	320	390	470	540	620	690	770
	60	end		350	430	520	600	680	770	850		
	70	end		380	480	570	660	750	840	940		
	90	.05-.20	0-100	end	330	410	490	570	660	740	820	
			0-80	end	330	410	490	570	660	740	820	
			90	end	340	420	500	580	660	740	830	
			100	end	360	450	540	630	710	800	890	
			.40	0-50	end	330	410	490	570	660	740	820
60				end	350	430	520	600	680	770	850	
70				end	380	480	570	660	750	840	940	
80	end	420		520	620	720	820	920	1020			
100	.05-.30	0-100	end	400	510	610	710	810	910	1010		
		0-70	end	400	510	610	710	810	910	1010		
		80	end	420	520	620	720	820	920	1020		
		90	end	450	560	670	780	880	990	1100		
		100	end	480	600	720	830	950	1070	1190		
		110	All Seismic	end	490	610	730	860	980	1100	1220	
				end	490	610	730	860	980	1100	1220	

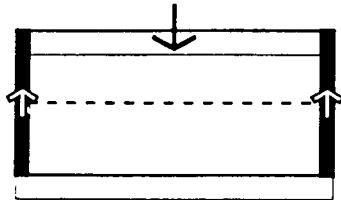
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Note: All Seismic refers to all values of Δa and all magnitudes of ground snow load

	Ah
Multi-Section	C, E, I
Width	16'
Short Walls	2




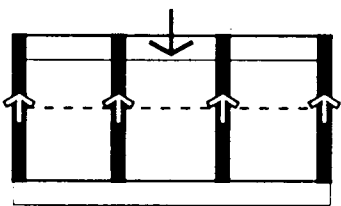
Ah C, E, I 16' 2	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Coastal	90	.05-.30	0-100 end	360	450	540	630	720	810	900
			0-60 end	360	450	540	630	720	810	900
		.40	70 end	380	480	570	660	750	840	940
			80 end	420	520	620	720	820	920	1020
			90 end	450	560	670	780	880	990	1100
			100 end	480	600	720	830	950	1070	1190
	100	.05-.30	0-100 end	450	560	670	780	890	1000	1120
			0-90 end	450	560	670	780	890	1000	1120
		.40	100 end	480	600	720	830	950	1070	1190
			All Seismic end	540	680	810	950	1080	1220	1350

Ah C, E, I 12' 4	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Inland	80	.05-.20	0-100 end	100	130	150	180	210	230	260
			0-70 int	200	260	310	360	420	470	520
		.30	0-70 end	100	130	150	180	210	230	260
			0-40 int	200	260	310	360	420	470	520
			80 end	110	130	160	180	210	230	260
			80 int	210	260	310	360	420	470	520
		.40	90 end	110	140	170	200	220	250	280
			90 int	230	280	340	390	450	500	560
		100	100 end	120	150	180	210	240	270	300
			100 int	240	300	360	420	480	540	600
	80	.05-.20	0-100 end	100	130	150	180	210	230	260
			0-70 int	200	260	310	360	420	470	520
		.30	0-70 end	110	130	160	180	210	240	260
			0-40 int	220	270	320	370	420	470	520
			60 end	120	150	180	200	230	260	290
			60 int	240	290	350	410	470	520	580
		.40	70 end	130	160	190	220	260	290	320
			70 int	260	320	380	450	510	570	640
		80	80 end	140	180	210	240	280	310	350
			80 int	280	350	420	490	550	620	690
		90	90 end	150	190	230	260	300	340	370
			90 int	300	380	450	530	600	670	750
	100	100	100 end	160	200	240	280	320	360	400
			100 int	330	410	480	560	640	720	800

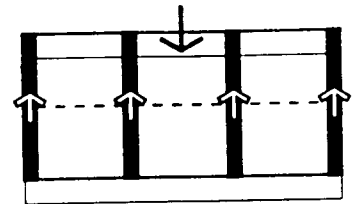
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Note. All Seismic refers to all values of Aa and all magnitudes of ground snow load.


Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

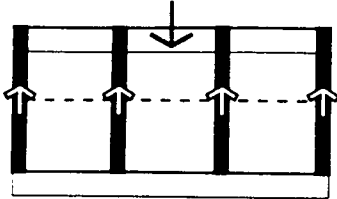
Wind Speed (mph)		Seismic Aa	Ground Snow (psf)	Location	Length (ft)							
					40	50	60	70	80	90	100	
Inland	90	.05-.30	0-100	end	130	170	200	230	270	300	330	
				int	270	330	400	470	530	600	670	
		.40	0-70	end	130	170	200	230	270	300	330	
				int	270	330	400	470	530	600	670	
		80		end	140	180	210	240	280	310	350	
				int	280	350	420	490	550	620	690	
		90		end	150	190	230	260	300	340	370	
				int	300	380	450	530	600	670	750	
		100		end	160	200	240	280	320	360	400	
				int	330	410	480	560	640	720	800	
		100	All Seismic	end	160	210	250	290	330	370	410	
				int	330	410	490	580	660	740	820	
		110	All Seismic	end	200	250	300	350	400	450	500	
				int	400	500	600	700	800	900	1000	
Coastal	80	.05-.20	0-100	end	110	140	170	200	230	260	290	
				int	230	290	340	400	460	520	580	
		.30	0-90	end	110	140	170	200	230	260	290	
				int	230	290	340	400	460	520	580	
		100		end	120	150	180	210	240	270	300	
				int	240	300	360	420	480	540	600	
		.40	0-50	end	110	140	170	200	230	260	290	
				int	230	290	340	400	460	520	580	
		60		end	120	150	180	200	230	260	290	
				int	240	290	350	410	470	520	580	
		70		end	130	160	190	220	260	290	320	
				int	260	320	380	450	510	570	640	
		80		end	140	180	210	240	280	310	350	
				int	280	350	420	490	550	620	690	
		90		end	150	190	230	260	300	340	370	
				int	300	380	450	530	600	670	750	
		100		end	160	200	240	280	320	360	400	
				int	330	410	480	560	640	720	800	
		90	.05-.30	0-100	end	150	180	220	260	290	330	370
					int	290	370	440	520	590	660	740
		.40	0-80	end	150	180	220	260	290	330	370	
				int	290	370	440	520	590	660	740	
		90		end	150	190	230	260	300	340	370	
				int	300	380	450	530	600	670	750	
		100		end	160	200	240	280	320	360	400	
				int	330	410	480	560	640	720	800	
		100	All Seismic	end	180	230	270	320	360	410	450	
				int	360	450	540	640	730	820	910	
		110	All Seismic	end	220	270	330	380	440	490	550	
				int	440	550	660	770	880	990	1100	

	Ah
Multi-Section	C, E, I
Width	12'
Short Walls	4



Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

Ah C, E, I 14' 4	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)		Seismic Ground		Location	Length (ft)						
		Aa	Snow (psf)		40	50	60	70	80	90	100
Inland	80	.05-.20	0-100	end	90	120	140	160	190	210	230
				int	180	230	280	320	370	420	470
		.30	0-60	end	90	120	140	160	190	210	230
				int	180	230	280	320	370	420	470
		70		end	100	120	140	170	190	210	230
				int	190	240	280	330	380	420	470
		80		end	100	130	150	180	200	230	250
				int	210	260	310	360	410	460	510
		90		end	110	140	170	190	220	250	280
				int	220	280	330	390	440	500	550
		100		end	120	150	180	210	240	270	300
				int	240	300	360	420	480	530	590
		.40	0-40	end	90	120	140	160	190	210	230
				int	180	230	280	320	370	420	470
			50	end	110	130	160	180	210	230	260
				int	210	260	310	360	410	460	510
			60	end	120	140	170	200	230	260	280
				int	230	290	350	400	460	510	570
			70	end	130	160	190	220	250	280	310
				int	260	320	380	440	500	560	620
			80	end	140	170	210	240	270	310	340
				int	280	340	410	480	550	610	680
			90	end	150	190	220	260	290	330	370
				int	300	370	440	520	590	660	730
		100	end	160	200	240	280	320	360	400	
			int	320	400	480	560	630	710	790	
	90	.05-.30	0-100	end	120	150	180	210	240	270	300
				int	240	300	360	420	480	540	600
		.40	0-60	end	120	150	180	210	240	270	300
				int	240	300	360	420	480	540	600
		70		end	130	160	190	220	250	280	310
				int	260	320	380	440	500	560	620
		80		end	140	170	210	240	270	310	340
				int	280	340	410	480	550	610	680
		90		end	150	190	220	260	290	330	370
				int	300	370	440	520	590	660	730
		100		end	160	200	240	280	320	360	400
				int	320	400	480	560	630	710	790


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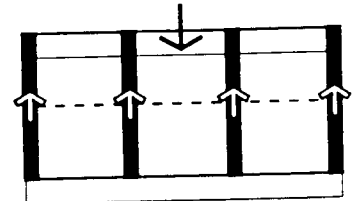
Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Ground		Location	Length (ft)									
	Aa	Snow (psf)		40	50	60	70	80	90	100			
Inland	100	.05-.30	0-100	end	150	180	220	260	290	330	370		
				int	290	370	440	510	590	660	740		
		.40	0-80	end	150	180	220	260	290	330	370		
				int	290	370	440	510	590	660	740		
		.90		end	150	190	220	260	290	330	370		
	int			300	370	440	520	590	660	740			
	110	All Seismic		end	180	220	270	310	360	400	450		
				int	360	450	530	620	710	800	890		
		Coastal	80	.05-.20	0-100	end	100	130	150	180	210	230	260
						int	210	260	310	360	410	460	520
.30				0-80	end	100	130	150	180	210	230	260	
	int				210	260	310	360	410	460	520		
.90				end	110	140	170	190	220	250	280		
			int	220	280	330	390	440	500	550			
.100			end	120	150	180	210	240	270	300			
			int	240	300	360	420	480	530	590			
			90	.05-.30	0-100	end	100	130	150	180	210	230	260
		int				210	260	310	360	410	460	520	
.40	0-40	end			110	130	160	180	210	230	260		
		int			210	260	310	360	410	460	520		
.50		end			120	140	170	200	230	260	280		
		int		230	290	350	400	460	510	570			
.60		end		130	160	190	220	250	280	310			
		int		260	320	380	440	500	560	620			
100	All Seismic			end	140	170	210	240	270	310	340		
				int	280	340	410	480	550	610	680		
			end	150	190	220	260	290	330	370			
			int	300	370	440	520	590	660	730			
			end	160	200	240	280	320	360	400			
int	320	400	480	560	630	710	790						
110	All Seismic		end	160	200	240	280	320	360	410			
			int	320	410	490	570	650	730	810			
			end	200	250	290	340	390	440	490			
			int	390	490	590	690	790	880	980			

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

 Multi-Section Width Short Walls	Ah
	C, E, I
	14' 4



Ah C, E, I 16' 4	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

	Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
					40	50	60	70	80	90	100
Inland	80	.05-.20	0-100	end	80	110	130	150	170	190	210
				int	170	210	260	300	340	380	430
			0-50	end	80	110	130	150	170	190	210
				int	170	210	260	300	340	380	430
			60	end	90	110	130	150	170	190	210
				int	170	220	260	300	340	380	430
			70	end	100	120	140	160	190	210	230
				int	190	240	280	330	380	420	470
			80	end	100	130	150	180	200	230	250
				int	210	260	310	360	410	460	510
			90	end	110	140	170	190	220	250	280
				int	220	280	330	390	440	500	550
			100	end	120	150	180	210	240	270	300
				int	240	300	360	420	480	530	590
		.40	0-40	end	80	110	130	150	170	190	210
				int	170	210	260	300	340	380	430
			50	end	110	130	160	180	210	230	260
				int	210	260	310	360	410	460	510
			60	end	120	140	170	200	230	260	280
				int	230	290	340	400	460	510	570
			70	end	130	160	190	220	250	280	310
				int	260	320	380	440	500	560	620
			80	end	140	170	210	240	270	310	340
				int	280	340	410	480	550	610	680
			90	end	150	190	220	260	290	330	370
				int	300	370	440	520	590	660	730
			100	end	160	200	240	280	320	360	400
				int	320	400	480	560	630	710	790
	90	.05-.20	0-100	end	110	140	160	190	220	250	270
				int	220	270	330	380	440	490	550
			0-80	end	110	140	160	190	220	250	270
				int	220	270	330	380	440	490	550
			90	end	110	140	170	190	220	250	280
				int	220	280	330	390	440	500	550
			100	end	120	150	180	210	240	270	300
				int	240	300	360	420	480	530	590
		.40	0-50	end	110	140	160	190	220	250	270
				int	220	270	330	380	440	490	550
			60	end	120	140	170	200	230	260	280
				int	230	290	340	400	460	510	570
			70	end	130	160	190	220	250	280	310
				int	260	320	380	440	500	560	620
			80	end	140	170	210	240	270	310	340
				int	280	340	410	480	550	610	680
			90	end	150	190	220	260	290	330	370
				int	300	370	440	520	590	660	730
			100	end	160	200	240	280	320	360	400
				int	320	400	480	560	630	710	790

table continues


Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

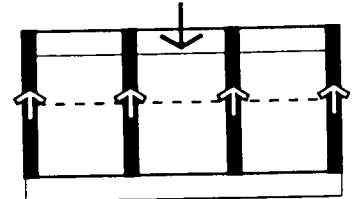
Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


Wind Speed (mph)	Seismic Δa	Ground Snow (psf)	Location	Length (ft)								
				40	50	60	70	80	90	100		
Inland	100	.05-.30	0-100	end	130	170	200	240	270	300	340	
				int	270	340	400	470	540	610	670	
		.40	0-70	end	130	170	200	240	270	300	340	
				int	270	340	400	470	540	610	670	
		.80		end	140	170	210	240	270	310	340	
				int	280	340	410	480	550	610	680	
	110	.05-.30	0-100	end	150	190	220	260	290	330	370	
				int	300	370	440	520	590	660	730	
		.40	0-70	end	160	200	240	280	320	360	400	
				int	320	400	480	560	630	710	790	
		.80		end	160	200	240	290	330	370	410	
				int	330	410	490	570	650	730	820	
Coastal	80	.05-.20	0-100	end	90	120	140	170	190	210	240	
				int	190	240	280	330	380	430	470	
		.30	0-60	end	90	120	140	170	190	210	240	
				int	190	240	280	330	380	430	470	
		.40	0-40	end	100	120	140	170	190	210	240	
				int	190	240	280	330	380	430	470	
		.50	0-30	end	100	130	150	180	200	230	250	
				int	210	260	310	360	410	460	510	
		.60	0-20	end	110	140	170	190	220	250	280	
				int	220	280	330	390	440	500	550	
		.70	0-10	end	120	150	180	210	240	270	300	
				int	240	300	360	420	480	530	590	
		.80	0-0	end	90	120	140	170	190	210	240	
				int	190	240	280	330	380	430	470	
		.90	0-0	end	110	130	160	180	210	230	260	
				int	210	260	310	360	410	460	510	
		1.00	0-0	end	120	140	170	200	230	260	280	
				int	230	290	340	400	460	510	570	
		1.10	0-0	end	130	160	190	220	250	280	310	
				int	260	320	380	440	500	560	620	
		1.20	0-0	end	140	170	210	240	270	310	340	
				int	280	340	410	480	550	610	680	
		1.30	0-0	end	150	190	220	260	290	330	370	
				int	300	370	440	520	590	660	730	
	1.40	0-0	end	160	200	240	280	320	360	400		
			int	320	400	480	560	630	710	790		
	1.50	0-0	end	120	150	180	210	240	270	300		
			int	240	300	360	420	480	540	600		
	90	.05-.30	0-100	end	120	150	180	210	240	270	300	
				int	240	300	360	420	480	540	600	
			.40	0-70	end	130	170	200	240	270	300	340
					int	270	340	400	470	540	610	670
			.80		end	140	170	210	240	270	310	340
					int	280	340	410	480	550	610	680
		.50	0-60	end	130	170	200	240	270	300	340	
				int	270	340	400	470	540	610	670	
			.60	0-30	end	140	170	210	240	270	310	340
					int	280	340	410	480	550	610	680
			.70	0-10	end	150	190	220	260	290	330	370
					int	300	370	440	520	590	660	730
	1.00	0-0	end	160	200	240	280	320	360	400		
			int	320	400	480	560	630	710	790		

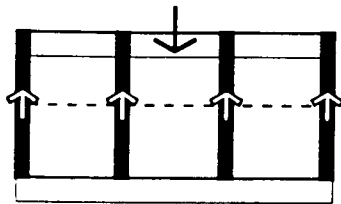
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Note: All Seismic refers to all values of Δa and all magnitudes of ground snow load.

	Ah
Multi-Section	C, E, I
Width Short Walls	16' 4



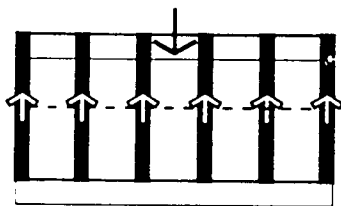
Ah C, E, I 16' 4	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)		Seismic Ground		Location	Length (ft)						
		Δa	Snow (psf)		40	50	60	70	80	90	100
Coastal	90	.40	0-60	end	120	150	180	210	240	270	300
				int	240	300	360	420	480	540	600
			70	end	130	160	190	220	250	280	310
				int	260	320	380	440	500	560	620
			80	end	140	170	210	240	270	310	340
				int	280	340	410	480	550	610	680
			90	end	150	190	220	260	290	330	370
				int	300	370	440	520	590	660	730
			100	end	160	200	240	280	320	360	400
				int	320	400	480	560	630	710	790
	100	.05-.30	0-100	end	150	190	220	260	300	330	370
				int	300	370	450	520	600	670	740
		.40	0-90	end	150	190	220	260	300	330	370
				int	300	370	450	520	600	670	740
			100	end	160	200	240	280	320	360	400
				int	320	400	480	560	630	710	790
	110	All Seismic	end	180	230	270	320	360	410	450	
			int	360	450	540	630	720	810	900	

Ah C, E, I 12' 6	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Δa	Ground Snow (psf)	Location	Length (ft)							
				40	50	60	70	80	90	100	
Inland	80	.05-.20	0-100	end	60	80	90	110	120	140	150
			int	120	150	180	210	250	280	310	
		.30	0-70	end	60	80	90	110	120	140	150
				int	120	150	180	210	250	280	310
		80		end	60	80	90	110	120	140	160
				int	130	160	190	220	250	280	310
		90		end	70	80	100	120	130	150	170
				int	140	170	200	240	270	300	340
		100		end	70	90	110	130	140	160	180
				int	150	180	220	250	290	320	360

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
Note: All Seismic refers to all values of Δa and all magnitudes of ground snow load.

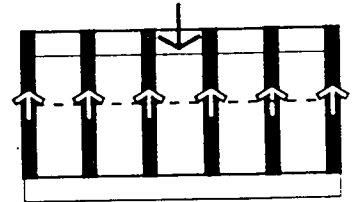
Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)


Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)							
				40	50	60	70	80	90	100	
Inland	80	.40	0	end	60	80	90	110	120	140	150
				int	120	150	180	210	250	280	310
			50	end	60	80	100	110	130	140	160
				int	130	160	190	220	250	280	310
			60	end	70	90	110	120	140	160	170
				int	140	180	210	250	280	310	350
			70	end	80	100	120	130	150	170	190
				int	160	190	230	270	310	340	380
			80	end	80	110	130	150	170	190	210
				int	170	210	250	290	330	370	410
			90	end	90	110	140	160	180	200	220
				int	180	230	270	320	360	400	450
			100	end	100	120	150	170	190	220	240
				int	200	240	290	340	390	430	480
	90	.05-.30	0-100	end	80	100	120	140	160	180	200
				int	160	200	240	280	320	360	400
		.40	0-70	end	80	100	120	140	160	180	200
				int	160	200	240	280	320	360	400
			80	end	80	110	130	150	170	190	210
				int	170	210	250	290	330	370	410
			90	end	90	110	140	160	180	200	220
				int	180	230	270	320	360	400	450
			100	end	100	120	150	170	190	220	240
				int	200	240	290	340	390	430	480
	100	All Seismic		end	100	120	150	170	200	220	250
				int	200	250	300	350	400	440	490
	110	All Seismic		end	120	150	180	210	240	270	300
				int	240	300	360	420	480	540	600
Coastal	80	.05-.20	0-100	end	70	90	100	120	140	150	170
				int	140	170	210	240	280	310	340
		.30	0-90	end	70	90	100	120	140	150	170
				int	140	170	210	240	280	310	340
			100	end	70	90	110	130	140	160	180
				int	150	180	220	250	290	320	360
		.40	0-50	end	70	90	100	120	140	150	170
				int	140	170	210	240	280	310	340
			60	end	70	90	110	120	140	160	170
				int	140	180	210	250	280	310	350
			70	end	80	100	120	130	150	170	190
				int	160	190	230	270	310	340	380
			80	end	80	110	130	150	170	190	210
				int	170	210	250	290	330	370	410
			90	end	90	110	140	160	180	200	220
				int	180	230	270	320	360	400	450
			100	end	100	120	150	170	190	220	240
				int	200	240	290	340	390	430	480

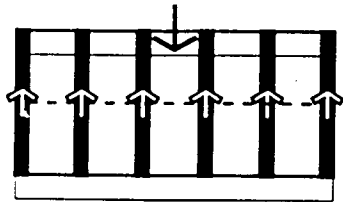
table continues

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load

	Ah
Multi-Section	C, E, I
Width	12'
Short Walls	6



Ah C, E, I 12' 6	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic	Ground Aa	Snow	Location	Length (ft)							
			(psf)		40	50	60	70	80	90	100	
Coastal	90	.05-.30	0-100	end	90	110	130	150	180	200	220	
				int	180	220	260	310	350	400	440	
		.40	0-80	end	90	110	130	150	180	200	220	
				int	180	220	260	310	350	400	440	
		90		end	90	110	140	160	180	200	220	
				int	180	230	270	320	360	400	450	
	100	100		end	100	120	150	170	190	220	240	
				int	200	240	290	340	390	430	480	
		All Seismic		end	110	140	160	190	220	250	270	
				int	220	270	330	380	440	490	540	
		110	All Seismic		end	130	160	200	230	260	300	330
					int	260	330	400	460	530	590	660

Ah C, E, I 14' 6	 Multi-Section Width Short Walls
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Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)		Seismic Ground Aa Snow (psf)		Location	Length (ft)							
					40	50	60	70	80	90	100	
Inland	80	.05-.20	0-100	end	50	70	80	100	110	120	140	
				int	110	140	160	190	220	250	280	
		.30	0-60	end	50	70	80	100	110	120	140	
				int	110	140	160	190	220	250	280	
		70		end	60	70	90	100	110	130	140	
				int	120	140	170	200	230	250	280	
		80		end	60	80	90	110	120	140	150	
				int	130	160	190	220	250	280	310	
		90		end	70	80	100	120	130	150	170	
				int	130	170	200	230	270	300	330	
		100		end	70	90	110	130	140	160	180	
				int	140	180	220	250	290	320	360	
		.40	0-40	end	50	70	80	100	110	120	140	
				int	110	140	160	190	220	250	280	
			50		end	60	80	90	110	120	140	150
					int	130	160	190	220	250	280	310
			60		end	70	90	100	120	140	150	170
					int	140	170	210	240	270	310	340
			70		end	80	100	110	130	150	170	190
					int	150	190	230	260	300	340	370
			80		end	80	100	120	140	160	180	200
					int	170	210	250	290	330	370	410
			90		end	90	110	130	160	180	200	220
					int	180	220	270	310	350	400	440
	100			end	100	120	140	170	190	210	240	
				int	190	240	290	330	380	430	470	
	90		.05-.20	0-100	end	70	90	110	130	140	160	180
					int	140	180	210	250	290	320	360


table continues

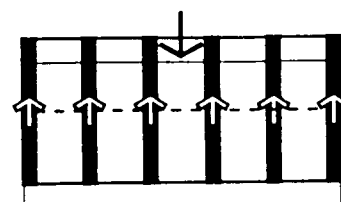
Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load

Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

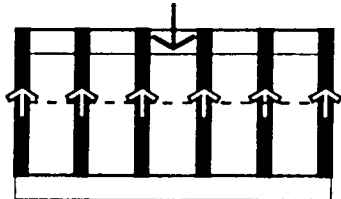
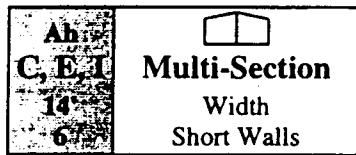
Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)							
				40	50	60	70	80	90	100	
Inland	90	.30	0-90	end	70	90	110	130	140	160	180
				int	140	180	210	250	290	320	360
			100	end	70	90	110	130	140	160	180
				int	140	180	220	250	290	320	360
		.40	0-60	end	70	90	110	130	140	160	180
				int	140	180	210	250	290	320	360
			70	end	80	100	110	130	150	170	190
				int	150	190	230	260	300	340	370
			80	end	80	100	120	140	160	180	200
				int	170	210	250	290	330	370	410
			90	end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
			100	end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
	100	.05-.30	0-100	end	90	110	130	150	180	200	220
				int	180	220	260	310	350	400	440
			0-80	end	90	110	130	150	180	200	220
				int	180	220	260	310	350	400	440
			90	end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
			100	end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
		All Seismic		end	110	130	160	190	210	240	270
				int	210	270	320	370	430	480	530
Coastal	80	.05-.20	0-100	end	60	80	90	110	120	140	150
				int	120	150	180	220	250	280	310
			0-70	end	60	80	90	110	120	140	150
				int	120	150	180	220	250	280	310
			80	end	60	80	90	110	120	140	150
				int	130	160	190	220	250	280	310
			90	end	70	80	100	120	130	150	170
				int	130	170	200	230	270	300	330
			100	end	70	90	110	130	140	160	180
				int	140	180	220	250	290	320	360
		.30	0-40	end	60	80	90	110	120	140	150
				int	120	150	180	220	250	280	310
			50	end	60	80	90	110	120	140	150
				int	130	160	190	220	250	280	310
			60	end	70	90	100	120	140	150	170
				int	140	170	210	240	270	310	340
			70	end	80	100	110	130	150	170	190
				int	150	190	230	260	300	340	370
			80	end	80	100	120	140	160	180	200
				int	170	210	250	290	330	370	410
			90	end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
		.40	100	end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470

table continues

	Ah
Multi-Section	C, E, I
Width	14'
Short Walls	6



Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.



Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Coastal	90	.05-.30	0-100 end	80	100	120	140	160	180	200
			int	160	200	240	280	320	350	390
		.40	0-70 end	80	100	120	140	160	180	200
			int	160	200	240	280	320	350	390
		80	end	80	100	120	140	160	180	200
			int	170	210	250	290	330	370	410
	100	90	end	90	110	130	160	180	200	220
			int	180	220	270	310	350	400	440
		100	end	100	120	140	170	190	210	240
			int	190	240	290	330	380	430	470
	100	All Seismic	end	100	120	150	170	190	220	240
			int	190	240	290	340	390	440	490
110	All Seismic		end	120	150	180	210	240	260	290
			int	240	290	350	410	470	530	590



Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)	Seismic Aa	Ground Snow (psf)	Location	Length (ft)						
				40	50	60	70	80	90	100
Inland	80	.05-.20	0-100 end	50	60	80	90	100	110	130
			int	100	130	150	180	200	230	260
		.30	0-50 end	50	60	80	90	100	110	130
			int	100	130	150	180	200	230	260
		60	end	50	70	80	90	100	120	130
			int	100	130	160	180	210	230	260
		70	end	60	70	90	100	110	130	140
			int	110	140	170	200	230	250	280
		80	end	60	80	90	110	120	140	150
			int	120	160	190	220	250	280	310
		90	end	70	80	100	120	130	150	170
			int	130	170	200	230	270	300	330
	.40	100	end	70	90	110	130	140	160	180
			int	150	180	220	250	290	320	360
		0-40	end	50	60	80	90	100	110	130
			int	100	130	150	180	200	230	260
		50	end	60	80	90	110	120	140	150
			int	130	160	190	220	250	280	310
		60	end	70	90	100	120	140	150	170
			int	140	170	210	240	270	310	340
		70	end	80	100	110	130	150	170	190
			int	150	190	230	260	300	340	370
		80	end	80	100	120	140	160	180	200
			int	170	210	250	290	330	370	410
		90	end	90	110	130	160	180	200	220
			int	180	220	270	310	350	400	440
		100	end	100	120	140	170	190	210	240
			int	190	240	290	330	380	430	470

table continues


Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

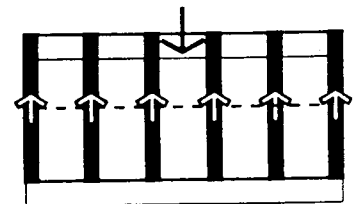
Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

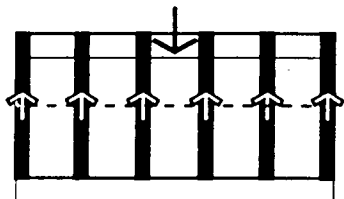
Wind Speed (mph)	Seismic Ground		Location	Length (ft)							
	Aa	Snow (psf)		40	50	60	70	80	90	100	
Inland	90	.05-.20	0-100	end	70	80	100	110	130	150	160
				int	130	160	200	230	260	300	330
		.30	0-80	end	70	80	100	110	130	150	160
				int	130	160	200	230	260	300	330
		90		end	70	80	100	110	130	150	170
				int	130	170	200	230	270	300	330
		100		end	70	90	110	130	140	160	180
				int	150	180	220	250	290	320	360
		.40	0-50	end	70	80	100	110	130	150	160
				int	130	160	200	230	260	300	330
		60		end	70	90	100	120	130	150	170
				int	140	170	210	240	270	310	340
		70		end	80	100	110	130	150	170	190
				int	150	190	220	260	300	340	370
		80		end	80	100	120	130	160	180	200
				int	170	210	250	290	330	370	410
		90		end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
		100		end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
100	.05-.30	0-100	end	80	100	120	140	160	180	200	
			int	160	200	240	280	320	360	400	
		.40	0-70	end	80	100	120	140	160	180	200
				int	160	200	240	280	320	360	400
		80		end	80	100	120	140	160	180	200
				int	170	210	250	290	330	370	410
		90		end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
		100		end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
	110	All Seismic		end	100	120	150	170	200	220	240
				int	200	240	290	340	390	440	490
Coastal	80	.05-.20	0-100	end	60	70	90	100	110	130	140
				int	110	140	170	200	230	260	280
		.30	0-70	end	60	70	90	100	110	130	140
				int	110	140	170	200	230	260	280
		80		end	60	80	90	110	120	140	150
				int	120	160	190	220	250	280	310
		90		end	70	80	100	120	130	150	170
				int	130	170	200	230	270	300	330
		100		end	70	90	110	130	140	160	180
				int	150	180	220	250	290	320	360

table continues

Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

	Ah
	C, E, I
	16'
	6





Required Horizontal Anchorage - Ah - Transverse Direction (lbs/ft)

Wind Speed (mph)		Seismic Ground		Location	Length (ft)						
		Aa	Snow (psf)		40	50	60	70	80	90	100
Coastal	80	.40	0	end	60	70	90	100	110	130	140
				int	110	140	170	200	230	260	280
			50	end	160	180	190	110	120	140	150
				int	130	160	190	220	250	280	310
			60	end	70	90	100	120	140	150	170
				int	140	170	210	240	270	310	340
			70	end	80	100	110	130	150	170	190
				int	150	190	230	260	300	340	370
			80	end	80	100	120	140	160	180	200
				int	170	210	250	290	330	370	410
			90	end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
			100	end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
	90	.05-.20	0-100	end	70	90	110	130	140	160	180
				int	140	180	220	250	290	330	360
		.30	0-90	end	70	90	110	130	140	160	180
				int	140	180	220	250	290	330	360
		.40	0-60	end	70	90	110	130	140	160	180
				int	140	180	220	250	290	330	360
		.40	70	end	80	100	110	130	150	170	190
				int	150	190	230	260	300	340	370
		.40	80	end	80	100	120	140	160	180	200
				int	170	210	250	290	330	370	410
		.40	90	end	90	110	130	160	180	200	220
				int	180	220	270	310	350	400	440
		.40	100	end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
	100	.05-.30	0-100	end	90	110	130	160	180	200	220
				int	180	220	270	310	360	400	450
		.40	0-90	end	90	110	130	160	180	200	220
				int	180	220	270	310	360	400	450
		.40	100	end	100	120	140	170	190	210	240
				int	190	240	290	330	380	430	470
		110	All Seismic	end	110	140	160	190	220	240	270
				int	220	270	320	380	430	490	540


Note: All Seismic refers to all values of Aa and all magnitudes of ground snow load.

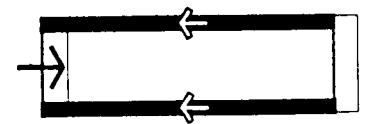
Part 4 Required Horizontal Anchorage - Ah - Longitudinal Direction **Single-Section C, E, I**

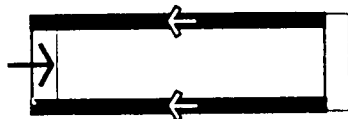
Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)		Length (ft)								
				40	50	60	70	80	90	100		
.05-.10	0-100	Inland	80	34	27	23	20	17	15	14		
			90	43	35	29	25	22	19	17		
			100	54	43	36	31	27	24	21		
			110	65	52	43	37	32	29	26		
		Coastal	80	38	30	25	22	19	17	15		
			90	48	38	32	27	24	21	19		
			100	59	47	39	34	30	26	24		
			110	71	57	48	41	36	32	29		
		.15	0-40	Inland	80	34	27	23	20	17	17	17
					90	43	35	29	25	22	19	17
					100	54	43	36	31	27	24	21
					110	65	52	43	37	32	29	26
Coastal	80			38	30	25	22	19	17	17		
	90			48	38	32	27	24	21	19		
	100			59	47	39	34	30	26	24		
	110			71	57	48	41	36	32	29		
50	Inland			80	36	36	35	35	35	35	35	
				90	43	36	35	35	35	35	35	
				100	54	43	36	35	35	35	35	
				110	65	52	43	37	35	35	35	
	Coastal	80	38	36	35	35	35	35	35			
		90	48	38	35	35	35	35	35			
		100	59	47	39	35	35	35	35			
		110	71	57	48	41	36	35	35			
	60	Inland	80	40	39	39	39	39	39	39		
			90	43	39	39	39	39	39	39		
			100	54	43	39	39	39	39	39		
			110	65	52	43	39	39	39	39		
Coastal		80	40	39	39	39	39	39	39			
		90	48	39	39	39	39	39	39			
		100	59	47	39	39	39	39	39			
		110	71	57	48	41	39	39	39			
70		Inland	80-90	43	43	43	43	43	42	42		
			100	54	43	43	43	43	42	42		
			110	65	52	43	43	43	42	42		
			80	43	43	43	43	43	42	42		
	Coastal	90	48	43	43	43	43	42	42			
		100	59	47	43	43	43	42	42			
		110	71	57	48	43	43	42	42			

table continues

 <p>Single-Section Width</p>	<p>Ah C, E, I 12'</p>
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Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

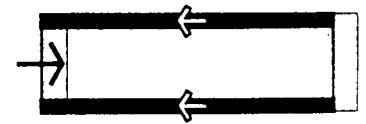
Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)									
			40	50	60	70	80	90	100			
.15	80	Inland	80-90	47	47	46	46	46	46	46		
			100	54	47	46	46	46	46	46		
			110	65	52	46	46	46	46	46		
		Coastal	80	47	47	46	46	46	46	46		
			90	48	47	46	46	46	46	46		
			100	59	47	46	46	46	46	46		
		110	71	57	48	46	46	46	46	46		
			90	Inland	80-90	50	50	50	50	50	50	50
					100	54	50	50	50	50	50	50
		110			65	52	50	50	50	50	50	
		Coastal		80-90	50	50	50	50	50	50	50	
				100	59	50	50	50	50	50	50	
	110			71	57	50	50	50	50	50		
	100	Inland	80-100	54	54	54	54	53	53	53		
			110	65	54	54	54	53	53	53		
			Coastal	80-90	54	54	54	54	53	53	53	
		100		59	54	54	54	53	53	53		
		110		71	57	54	54	53	53	53		
		.20	0-40	Inland	80	34	27	23	23	23	23	23
	90				43	35	29	25	23	23	23	
	100				54	43	36	31	27	24	23	
	110				65	52	43	37	32	29	26	
	Coastal			80	38	30	25	23	23	23	23	
				90	48	38	32	27	24	23	23	
100				59	47	39	34	30	26	24		
110				71	57	48	41	36	32	29		
50	Inland			80-90	48	48	47	47	47	47	47	
				100	54	48	47	47	47	47	47	
				110	65	52	47	47	47	47	47	
	Coastal			80-90	48	48	47	47	47	47	47	
			100	59	48	47	47	47	47	47		
			110	71	57	48	47	47	47	47		
60	Inland		80-90	53	52	52	52	52	52	52		
			100	54	52	52	52	52	52	52		
			110	65	52	52	52	52	52	52		
	Coastal		80-90	53	52	52	52	52	52	52		
			100	59	52	52	52	52	52	52		
			110	71	57	52	52	52	52	52		
70	Inland		80-100	58	57	57	57	57	57	57		
			110	65	57	57	57	57	57	57		
	Coastal		80-90	58	57	57	57	57	57	57		
			100	59	57	57	57	57	57	57		
		110	71	57	57	57	57	57	57			

table continues

Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic	Ground	Wind	Length							
Δa	Snow	Speed	(ft)							
	(psf)	(mph)	40	50	60	70	80	90	100	
.20	80	Inland	80-100	62	62	62	62	62	61	61
			110	65	62	62	62	62	61	61
		Coastal	80-100	62	62	62	62	62	61	61
			110	71	62	62	62	62	61	61
		Inland	80-110	67	67	67	67	66	66	66
			110	71	67	67	67	66	66	66
	90	Inland	80-110	67	67	67	67	66	66	66
			110	71	67	67	67	66	66	66
		Coastal	80-100	67	67	67	67	66	66	66
			110	71	67	67	67	66	66	66
		All Wind		72	72	72	71	71	71	71
				72	72	72	71	71	71	71
.30	0-40	Inland	80	36	35	35	34	34	34	34
			90	43	35	35	34	34	34	34
			100	54	43	36	34	34	34	34
			110	65	52	43	37	34	34	34
		Coastal	80	38	35	35	34	34	34	34
			90	48	38	35	34	34	34	34
			100	59	47	39	34	34	34	34
			110	71	57	48	41	36	34	34
		All Wind		72	71	71	71	71	70	70
				72	71	71	71	71	70	70
		All Wind		79	79	78	78	78	78	78
				79	79	78	78	78	78	78
		All Wind		86	86	86	85	85	85	85
				86	86	86	85	85	85	85
		All Wind		94	93	93	93	92	92	92
				94	93	93	93	92	92	92
		All Wind		101	100	100	100	100	99	99
				101	100	100	100	100	99	99
		All Wind		108	108	107	107	107	107	107
				108	108	107	107	107	107	107
	40	Inland	80-90	47	47	46	46	46	45	45
			100	54	47	46	46	46	45	45
			110	65	52	46	46	46	45	45
		Coastal	80	47	47	46	46	46	45	45
			90	48	47	46	46	46	45	45
			100	59	47	46	46	46	45	45
			110	71	57	48	46	46	45	45
		All Wind		96	95	95	94	94	94	94
				96	95	95	94	94	94	94
		All Wind		106	105	104	104	104	104	103
				106	105	104	104	104	104	103
		All Wind		115	115	114	114	113	113	113
				115	115	114	114	113	113	113
		All Wind		125	124	124	123	123	123	123
				125	124	124	123	123	123	123
		All Wind		135	134	133	133	133	133	132
				135	134	133	133	133	133	132
		All Wind		144	144	143	143	142	142	142
				144	144	143	143	142	142	142

 Single-Section Width	Ah C, E, I 12'
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Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)		Length (ft)						
				40	50	60	70	80	90	100
.05-.10	0-100	Inland	80	41	33	27	23	20	18	16
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	18
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
		Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
.15	0-40	Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
		Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
.30	0-10	Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
		Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
.50	0-10	Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
		Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
.70	0-10	Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34
		Inland	80	41	33	27	23	20	19	19
			90	52	41	35	30	26	23	21
			100	64	51	43	37	32	28	26
			110	77	62	52	44	39	34	31
		Coastal	80	45	36	30	26	23	20	19
			90	57	46	38	33	29	25	23
			100	71	56	47	40	35	31	28
			110	85	68	57	49	43	38	34

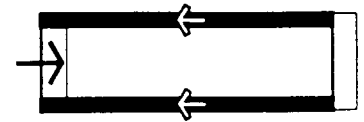
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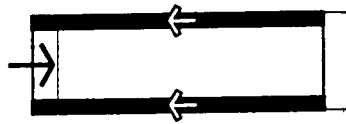
Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Δa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)						
			40	50	60	70	80	90	100
.15	80	Inland	80-90	54	54	53	53	53	53
			100	64	54	53	53	53	53
			110	77	62	53	53	53	53
		Coastal	80	54	54	53	53	53	53
			90	57	54	53	53	53	53
			100	71	56	53	53	53	53
			110	85	68	57	53	53	53
	90	Inland	80-90	58	58	58	57	57	57
			100	64	58	58	57	57	57
			110	77	62	58	57	57	57
		Coastal	80-90	58	58	58	57	57	57
			100	71	58	58	57	57	57
			110	85	68	58	57	57	57
	100	Inland	80-90	62	62	62	62	61	61
			100	64	62	62	62	61	61
			110	77	62	62	62	61	61
		Coastal	80-90	62	62	62	62	61	61
			100	71	62	62	62	61	61
			110	85	68	62	62	61	61
.20	0-40	Inland	80	41	33	27	26	26	25
			90	52	41	35	30	26	25
			100	64	51	43	37	32	28
			110	77	62	52	44	39	34
		Coastal	80	45	36	30	26	26	25
			90	57	46	38	33	29	25
			100	71	56	47	40	35	31
			110	85	68	57	49	43	38
	50	Inland	80-90	55	55	54	54	54	54
			100	64	55	54	54	54	54
			110	77	62	54	54	54	54
		Coastal	80	55	55	54	54	54	54
			90	57	55	54	54	54	54
			100	71	56	54	54	54	54
	60	Inland	80-90	61	60	60	60	60	59
			100	64	60	60	60	60	59
			110	77	62	60	60	60	59
		Coastal	80-90	61	60	60	60	60	59
			100	71	60	60	60	60	59
			110	85	68	60	60	60	59
	70	Inland	80-100	66	66	66	65	65	65
			110	77	66	66	65	65	65
		Coastal	80-90	66	66	66	65	65	65
			100	71	66	66	65	65	65
			110	85	68	66	65	65	65

table continues

Single-Section Width	Ah C, E, I 14'
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Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Δa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)								
			40	50	60	70	80	90	100		
.20	80	Inland	80-100	72	71	71	71	71	71	71	
			110	77	77	77	77	77	77		
		Coastal	80-100	72	71	71	71	71	71	71	
			110	85	77	77	77	77	77		
	90	Inland	80-110	78	77	77	77	76	76	76	
		Coastal	80-100	78	77	77	77	76	76	76	
			110	85	77	77	77	76	76	76	
		100	Inland	80-110	83	83	82	82	82	82	82
	Coastal		80-100	83	83	82	82	82	82	82	
			110	85	83	82	82	82	82	82	
	.30		0-40	Inland	80	41	39	39	39	38	38
		90			52	41	39	39	38	38	38
100		64			51	43	39	38	38	38	
110		77			62	52	44	39	38	38	
Coastal		80		45	39	39	39	38	38	38	
		90		57	46	39	39	38	38	38	
		100		71	56	47	40	38	38	38	
		110		85	68	57	49	43	38	38	
50		Inland	80-110	82	82	81	81	81	81	80	
			Coastal	80-100	82	82	81	81	81	81	80
				110	85	82	81	81	81	81	80
		60	All Wind	91	90	90	89	89	89	89	
		70	All Wind	99	99	98	98	98	98	97	
		80	All Wind	108	107	107	106	106	106	106	
		90	All Wind	116	116	115	115	115	115	114	
		100	All Wind	125	124	124	123	123	123	123	
.40	0-40	Inland	80-90	53	52	52	51	51	51	51	
				100	64	52	52	51	51	51	51
				110	77	62	52	51	51	51	51
		Coastal	80	53	52	52	51	51	51	51	
			90	57	52	52	51	51	51	51	
			100	71	56	52	51	51	51	51	
			110	85	68	57	51	51	51	51	
		50	All Wind	110	109	108	108	108	107	107	
		60	All Wind	121	120	120	119	119	119	119	
		70	All Wind	133	132	131	131	130	130	130	
	80	All Wind	144	143	142	142	142	141	141		
	90	All Wind	155	154	154	153	153	153	152		
	100	All Wind	166	166	165	165	164	164	164		

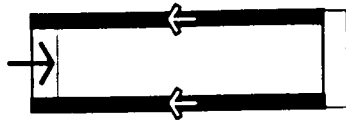
Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

	Ah C, E, I 16'
Single-Section Width	

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)							
			40	50	60	70	80	90	100	
.05-.10	0-100	Inland	80	47	38	32	27	24	21	19
			90	60	48	40	34	30	27	24
			100	74	59	49	42	37	33	30
			110	89	72	60	51	45	40	36
		Coastal	80	52	42	35	30	26	23	21
			90	66	53	44	38	33	29	26
			100	82	65	54	47	41	36	33
			110	99	79	66	56	49	44	39
.15	0-40	Inland	80	47	38	32	27	24	21	21
			90	60	48	40	34	30	27	24
			100	74	59	49	42	37	33	30
			110	89	72	60	51	45	40	36
		Coastal	80	52	42	35	30	26	23	21
			90	66	53	44	38	33	29	26
			100	82	65	54	47	41	36	33
			110	99	79	66	56	49	44	39
	50	Inland	80	47	46	46	46	46	45	45
			90	60	48	46	46	46	45	45
			100	74	59	49	46	46	45	45
			110	89	72	60	51	46	45	45
		Coastal	80	52	46	46	46	46	45	45
			90	66	53	46	46	46	45	45
			100	82	65	54	47	46	45	45
			110	99	79	66	56	49	45	45
	60	Inland	80	51	51	51	51	50	50	50
			90	60	51	51	51	50	50	50
			100	74	59	51	51	50	50	50
			110	89	72	60	51	50	50	50
		Coastal	80	52	51	51	51	50	50	50
			90	66	53	51	51	50	50	50
			100	82	65	54	51	50	50	50
			110	99	79	66	56	50	50	50
	70	Inland	80	56	56	56	55	55	55	55
			90	60	56	56	55	55	55	55
			100	74	59	56	55	55	55	55
			110	89	72	60	55	55	55	55
		Coastal	80	56	56	56	55	55	55	55
			90	66	56	56	55	55	55	55
			100	82	65	56	55	55	55	55
			110	99	79	66	56	55	55	55

table continues

Ah	Single-Section
C, E, I	Width
16'	



Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

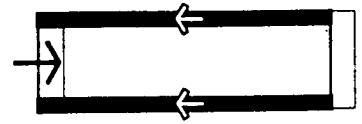
Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)	40	50	60	70	80	90	100
.15	80	Inland	80-90	61	61	60	60	60	60	60
			100	74	61	60	60	60	60	60
			110	89	72	60	60	60	60	60
		Coastal	80	61	61	60	60	60	60	60
			90	66	61	60	60	60	60	60
			100	82	65	60	60	60	60	60
	90	Inland	80-90	66	65	65	65	65	65	65
			100	74	65	65	65	65	65	65
			110	89	72	65	65	65	65	65
		Coastal	80-90	66	65	65	65	65	65	65
			100	82	65	65	65	65	65	65
			110	99	79	66	65	65	65	65
	100	Inland	80-90	71	70	70	70	70	70	70
			100	74	70	70	70	70	70	70
			110	89	72	70	70	70	70	70
		Coastal	80-90	71	70	70	70	70	70	70
			100	82	70	70	70	70	70	70
			110	99	79	70	70	70	70	70
.20	0-40	Inland	80	47	38	32	29	28	28	28
			90	60	48	40	34	30	28	28
			100	74	59	49	42	37	33	30
			110	89	72	60	51	45	40	36
		Coastal	80	52	42	35	30	28	28	28
			90	66	53	44	38	33	29	28
			100	82	65	54	47	41	36	33
			110	99	79	66	56	49	44	39
		50	80-90	62	61	61	61	61	61	60
			100	74	61	61	61	61	61	60
			110	89	72	61	61	61	61	60
			80	62	61	61	61	61	61	60
	60	Inland	90	66	61	61	61	61	61	60
			100	82	65	61	61	61	61	60
			110	99	79	66	61	61	61	60
			80-90	68	68	68	67	67	67	67
		Coastal	100	74	68	68	67	67	67	67
			110	89	72	68	67	67	67	67
			80-90	68	68	68	67	67	67	67
			100	82	68	68	67	67	67	67
			110	99	79	68	67	67	67	67
		70	80-100	75	74	74	74	74	73	73
			110	89	74	74	74	74	73	73
			80-90	75	74	74	74	74	73	73
			100	82	74	74	74	74	73	73
			110	99	79	74	74	74	73	73

table continues

Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)		Length (ft)							
				40	50	60	70	80	90	100	
.20	80	Inland	80-100	81	81	81	80	80	80	80	
			110	89	81	81	80	80	80	80	
		Coastal	80-90	81	81	81	80	80	80	80	
			100	82	81	81	80	80	80	80	
			110	99	81	81	80	80	80	80	
		90	Inland	80-100	88	87	87	87	87	86	86
	110			89	87	87	87	87	86	86	
	Coastal		80-100	88	87	87	87	87	86	86	
			110	99	87	87	87	87	86	86	
	100	Inland	80-110	94	94	93	93	93	93	93	
			110	99	94	93	93	93	93	93	
		Coastal	80-100	94	94	93	93	93	93	93	
			110	99	94	93	93	93	93	93	
	.30	0-40	Inland	80	47	44	43	43	43	42	42
				90	60	48	43	43	43	42	42
				100	74	59	49	43	43	42	42
110				89	72	60	51	45	42	42	
Coastal			80	52	44	43	43	43	42	42	
			90	66	53	44	43	43	42	42	
			100	82	65	54	47	43	42	42	
			110	99	79	66	56	49	44	42	
50			Inland	80-110	93	92	92	91	91	91	91
				110	99	92	92	91	91	91	91
			Coastal	80-100	93	92	92	91	91	91	91
				110	99	92	92	91	91	91	91
60		All Wind	103	102	101	101	101	101	100		
70		All Wind	112	112	111	111	110	110	110		
80		All Wind	122	121	121	120	120	120	120		
90		All Wind	132	131	130	130	130	130	129		
100		All Wind	141	141	140	140	140	139	139		
.40		0-40	Inland	80	59	58	58	57	57	56	56
				90	60	58	58	57	57	56	56
				100	74	59	58	57	57	56	56
	110			89	72	60	57	57	56	56	
	Coastal		80	59	58	58	57	57	56	56	
			90	66	58	58	57	57	56	56	
			100	82	65	58	57	57	56	56	
			110	99	79	66	57	57	56	56	
	50		All Wind	124	123	122	122	121	121	121	
				137	136	135	135	134	134	134	
			All Wind	150	149	148	148	147	147	147	
				All Wind	163	162	161	161	160	160	160
		All Wind	176		175	174	173	173	173	173	
			100	All Wind	189	188	187	186	186	186	185

Single-Section Width	Ah C, E, I 16'
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Multi-Section C, E, I



Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)


Seismic Δa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)							
			40	50	60	70	80	90	100	
.05-.10	0-100	Inland	80	82	66	55	47	41	37	33
			90	104	83	70	60	52	46	42
			100	129	103	86	74	64	57	51
			110	156	125	104	89	78	69	62
		Coastal	80	91	73	61	52	45	40	36
			90	115	92	77	66	57	51	46
			100	142	114	95	81	71	63	57
			110	172	137	114	98	86	76	69
	0-40	Inland	80	82	66	55	47	41	37	33
			90	104	83	70	60	52	46	42
			100	129	103	86	74	64	57	51
			110	156	125	104	89	78	69	62
		Coastal	80	91	73	61	52	45	40	36
			90	115	92	77	66	57	51	46
			100	142	114	95	81	71	63	57
			110	172	137	114	98	86	76	69
	50	Inland	80	82	70	70	69	69	69	69
			90	104	83	70	69	69	69	69
			100	129	103	86	74	69	69	69
			110	156	125	104	89	78	69	69
		Coastal	80	91	73	70	69	69	69	69
			90	115	92	77	69	69	69	69
			100	142	114	95	81	71	69	69
			110	172	137	114	98	86	76	69
	60	Inland	80	82	77	77	77	76	76	76
			90	104	83	77	77	76	76	76
			100	129	103	86	77	76	76	76
			110	156	125	104	89	78	76	76
		Coastal	80	91	77	77	77	76	76	76
			90	115	92	77	77	76	76	76
			100	142	114	95	81	76	76	76
			110	172	137	114	98	86	76	76
	70	Inland	80	85	85	84	84	84	84	83
			90	104	85	84	84	84	84	83
			100	129	103	86	84	84	84	83
			110	156	125	104	89	84	84	83
		Coastal	80	91	85	84	84	84	84	83
			90	115	92	84	84	84	84	83
			100	142	114	95	84	84	84	83
			110	172	137	114	98	86	84	83

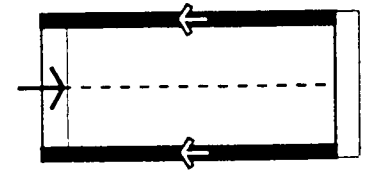
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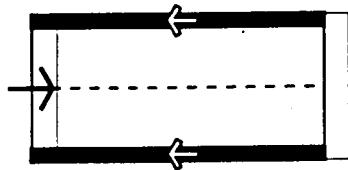
Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)						
			40	50	60	70	80	90	100
.15	80	Inland	80	93	92	91	91	91	91
			90	104	92	91	91	91	91
			100	129	103	91	91	91	91
			110	156	125	104	91	91	91
		Coastal	80	93	92	91	91	91	91
			90	115	92	91	91	91	91
			100	142	114	95	91	91	91
			110	172	137	114	91	91	91
	90	Inland	80	100	99	99	98	98	98
			90	104	99	99	98	98	98
			100	129	103	99	98	98	98
			110	156	125	104	98	98	98
		Coastal	80	100	99	99	98	98	98
			90	115	99	99	98	98	98
			100	142	114	99	98	98	98
			110	172	137	114	98	98	98
	100	Inland	80-90	107	106	106	106	105	105
			100	129	106	106	106	105	105
			110	156	125	106	106	105	105
			110	156	125	106	106	105	105
		Coastal	80	107	106	106	106	105	105
			90	115	106	106	106	105	105
			100	142	114	106	106	105	105
			110	172	137	114	106	105	105
.20	0-40	Inland	80	82	66	55	47	44	43
			90	104	83	70	60	52	43
			100	129	103	86	74	64	51
			110	156	125	104	89	78	62
		Coastal	80	91	73	61	52	45	43
			90	115	92	77	66	57	46
			100	142	114	95	81	71	57
			110	172	137	114	98	86	69
		Inland	80	94	93	93	92	92	92
			90	104	93	93	92	92	92
			100	129	103	93	92	92	92
			110	156	125	104	92	92	92
		Coastal	80	94	93	93	92	92	92
			90	115	93	93	92	92	92
			100	142	114	95	92	92	92
			110	172	137	114	98	92	92
	50	Inland	80-90	104	103	103	102	102	101
			100	129	103	103	102	102	101
			110	156	125	104	102	102	101
			110	156	125	104	102	102	101
		Coastal	80	104	103	103	102	102	101
			90	115	103	103	102	102	101
			100	142	114	103	102	102	101
			110	172	137	114	102	102	101
		Inland	80-90	104	103	103	102	102	101
			100	129	103	103	102	102	101
			110	156	125	104	102	102	101
			110	156	125	104	102	102	101

table continues

	Ah C, E, I 12'
Multi-Section Width	






Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

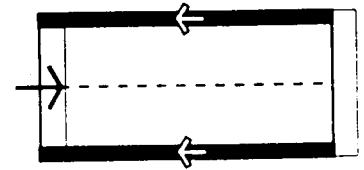
Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)						
			40	50	60	70	80	90	100
.20	70	Inland	80-90	114	113	112	112	112	111
			100	129	123	112	112	112	111
			110	156	125	112	112	112	111
		Coastal	80	114	113	112	112	112	111
			90	115	113	112	112	112	111
			100	142	114	112	112	112	111
			110	172	137	114	112	112	111
		Inland	80-90	123	123	122	122	121	121
			100	129	123	122	122	121	121
			110	156	125	122	122	121	121
		Coastal	80-90	123	123	122	122	121	121
			100	142	123	122	122	121	121
			110	172	137	122	122	121	121
	80	Inland	80-90	133	132	132	131	131	131
			110	156	132	132	131	131	131
			110	172	137	132	131	131	131
		Coastal	80-90	133	132	132	131	131	131
			100	142	132	132	131	131	131
			110	172	137	132	131	131	131
		Inland	80-100	143	142	141	141	141	140
			110	156	142	141	141	141	140
			110	172	142	141	141	141	140
	90	Inland	80-100	143	142	141	141	141	140
			110	156	142	141	141	141	140
			110	172	142	141	141	141	140
		Coastal	80-100	143	142	141	141	141	140
			110	156	142	141	141	141	140
			110	172	142	141	141	141	140
	100	Inland	80-100	143	142	141	141	141	140
			110	156	142	141	141	141	140
			110	172	142	141	141	141	140
		Coastal	80-100	143	142	141	141	141	140
			110	156	142	141	141	141	140
			110	172	142	141	141	141	140
.30	0-40	Inland	80	82	67	67	66	66	65
			90	104	83	70	66	66	65
			100	129	103	86	74	66	65
			110	156	125	104	89	78	69
		Coastal	80	91	73	67	66	66	65
			90	115	92	77	66	66	65
			100	142	114	95	81	71	65
			110	172	137	114	98	86	76
	50	Inland	80-100	141	140	139	139	138	138
			110	156	140	139	139	138	138
			110	172	140	139	139	138	138
		Coastal	80-90	141	140	139	139	138	138
			100	142	140	139	139	138	138
			110	172	140	139	139	138	138
		Inland	80-110	156	155	154	153	153	152
			110	172	155	154	153	153	152
			110	172	155	154	153	153	152
	60	Inland	80-110	170	169	168	168	167	167
			110	172	169	168	168	167	167
			110	172	169	168	168	167	167
		Coastal	80-100	170	169	168	168	167	167
			110	172	169	168	168	167	167
			110	172	169	168	168	167	167
		Inland	80-110	185	184	183	182	182	181
			110	172	184	183	182	182	181
			110	172	184	183	182	182	181
	70	Inland	80-110	200	198	197	197	196	196
			110	172	198	197	197	196	196
			110	172	198	197	197	196	196
		Coastal	80-100	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
	80	Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Coastal	80-100	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
	90	Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Coastal	80-100	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
	100	Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Coastal	80-100	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210
		Inland	80-110	214	213	212	211	211	210
			110	172	213	212	211	211	210
			110	172	213	212	211	211	210

table continues

Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)						
			40	50	60	70	80	90	100
.40	0-40	Inland	80	92	90	89	88	87	87
			90	104	90	89	88	87	87
			100	129	103	89	88	87	87
			110	156	125	104	89	87	87
		Coastal	80	92	90	89	88	87	87
			90	115	92	89	88	87	87
			100	142	114	95	88	87	87
			110	172	137	114	98	87	87
	50	All Wind	189	187	186	185	184	184	184
		60	208	206	205	204	204	203	203
		70	227	226	225	224	223	223	222
		80	247	245	244	243	243	242	242
	90	All Wind	266	264	263	263	262	261	261
		100	285	284	283	282	281	281	280


	Ah C, E, I 12'
Multi-Section Width	



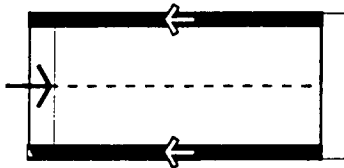
Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)								
			40	50	60	70	80	90	100		
.05-.10	0-100	Inland	80	100	80	67	57	50	44	40	
			90	127	101	84	72	63	56	51	
			100	156	125	104	89	78	69	62	
			110	189	151	126	108	94	84	76	
		Coastal	80	110	88	73	63	55	49	44	
			90	139	112	93	80	70	62	56	
			100	172	138	115	98	86	77	69	
			110	208	167	139	119	104	93	83	
	.15	0-40	Inland	80	100	80	67	57	50	44	40
				90	127	101	84	72	63	56	51
				100	156	125	104	89	78	69	62
				110	189	151	126	108	94	84	76
			Coastal	80	110	88	73	63	55	49	44
				90	139	112	93	80	70	62	56
				100	172	138	115	98	86	77	69
				110	208	167	139	119	104	93	83
.15	50	Inland	80	100	81	80	80	79	79	79	
			90	127	101	84	80	79	79	79	
			100	156	125	104	89	79	79	79	
			110	189	151	126	108	94	84	79	
		Coastal	80	110	88	80	80	79	79	79	
			90	139	112	93	80	79	79	79	
			100	172	138	115	98	86	79	79	
			110	208	167	139	119	104	93	83	

table continues

	Ah C, E, I 14'
Multi-Section Width	

Ah C, E, I 14'	 Multi-Section Width
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Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)


Seismic Aa	Ground Snow (psf)	Wind Speed (mph)		40	50	60	Length (ft)					
							70	80	90	100		
.15	60	Inland	80	100	89	89	88	88	88	88		
			90	127	101	89	88	88	88	88		
			100	156	125	104	89	88	88	88		
			110	189	151	126	108	94	88	88		
		Coastal	80	110	89	89	88	88	88	88	88	
			90	139	112	93	88	88	88	88	88	
			100	172	138	115	98	88	88	88	88	
			110	208	167	139	119	104	93	88	88	
		70	Inland	80	100	98	97	97	96	96	96	96
				90	127	101	97	97	96	96	96	96
				100	156	125	104	97	96	96	96	96
				110	189	151	126	108	96	96	96	96
	Coastal		80	110	98	97	97	96	96	96	96	
			90	139	112	97	97	96	96	96	96	
			100	172	138	115	98	96	96	96	96	
			110	208	167	139	119	104	96	96	96	
	80		Inland	80	107	106	106	105	105	105	105	105
				90	127	106	106	105	105	105	105	105
				100	156	125	106	105	105	105	105	105
				110	189	151	126	108	105	105	105	105
		Coastal	80	110	106	106	105	105	105	105	105	
			90	139	112	106	105	105	105	105	105	
			100	172	138	115	105	105	105	105	105	
			110	208	167	139	119	105	105	105	105	
		90	Inland	80	115	115	114	114	113	113	113	113
				90	127	115	114	114	113	113	113	113
				100	156	125	114	114	113	113	113	113
				110	189	151	126	114	113	113	113	113
	Coastal		80	115	115	114	114	113	113	113	113	
			90	139	115	114	114	113	113	113	113	
			100	172	138	115	114	113	113	113	113	
			110	208	167	139	119	113	113	113	113	
	100		Inland	80	124	123	122	122	122	122	122	121
				90	127	123	122	122	122	122	122	121
				100	156	125	122	122	122	122	122	121
				110	189	151	126	122	122	122	122	121
		Coastal	80	124	123	122	122	122	122	122	121	
			90	139	123	122	122	122	122	122	121	
			100	172	138	122	122	122	122	122	121	
			110	208	167	139	122	122	122	122	121	

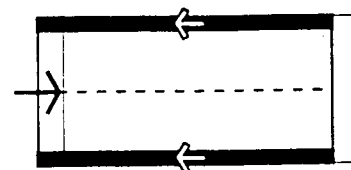
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Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

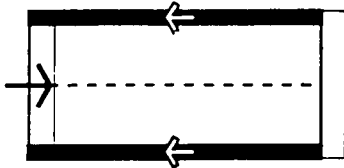
Seismic Δa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)							
				40	50	60	70	80	90	100
.20	0-40	Inland	80	100	80	67	57	50	49	49
			90	127	101	84	72	63	56	51
			100	156	125	104	89	78	69	62
			110	189	151	126	108	94	84	76
		Coastal	80	110	88	73	63	55	49	49
			90	139	112	93	80	70	62	56
			100	172	138	115	98	86	77	69
			110	208	167	139	119	104	93	83
		50 Inland	80	108	107	107	106	106	106	105
			90	127	107	107	106	106	106	105
			100	156	125	107	106	106	106	105
			110	189	151	126	108	106	106	105
		Coastal	80	110	107	107	106	106	106	105
			90	139	112	107	106	106	106	105
			100	172	138	115	106	106	106	105
			110	208	167	139	119	106	106	105
60		Inland	80	120	119	118	118	117	117	117
			90	127	119	118	118	117	117	117
			100	156	125	118	118	117	117	117
			110	189	151	126	118	117	117	117
		Coastal	80	120	119	118	118	117	117	117
			90	139	119	118	118	117	117	117
			100	172	138	118	118	117	117	117
			110	208	167	139	119	117	117	117
		70 Inland	80-90	131	130	129	129	129	128	128
			100	156	130	129	129	129	128	128
			110	189	151	129	129	129	128	128
			80	131	130	129	129	129	128	128
80		Coastal	90	139	130	129	129	129	128	128
			100	172	138	129	129	129	128	128
			110	208	167	139	129	129	128	128
			80-90	142	141	141	140	140	140	139
		Inland	100	156	141	141	140	140	140	139
			110	189	151	141	140	140	140	139
			80-90	142	141	141	140	140	140	139
			100	172	141	141	140	140	140	139
			110	208	167	141	140	140	140	139
90		Coastal	80-90	154	153	152	152	151	151	151
			100	156	153	152	152	151	151	151
			110	189	153	152	152	151	151	151
		Inland	80-90	154	153	152	152	151	151	151
			100	172	153	152	152	151	151	151
			110	208	167	152	152	151	151	151

table continues

	Ah
Multi-Section	C, E, I
Width	14'




Ah C, E, I 14'	 Multi-Section Width
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Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

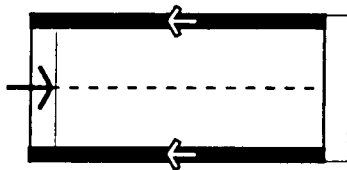
Seismic Aa	Ground Snow (psf)	Wind Speed (mph)		40	50	60	70	80	90	100	
.20	100	Inland	80-100	165	164	163	163	162	162	162	
			110	189	164	163	163	162	162	162	
		Coastal	80-90	165	164	163	163	162	162	162	
			100	172	164	163	163	162	162	162	
.30	0-40	Inland	80	100	80	75	75	74	74	73	
			90	127	101	84	75	74	74	73	
			100	156	125	104	89	78	74	73	
			110	189	151	126	108	94	84	76	
		Coastal	80	110	88	75	75	74	74	73	
			90	139	112	93	80	74	74	73	
			100	172	138	115	98	86	77	73	
			110	208	167	139	119	104	93	83	
		50	Inland	80-100	163	161	160	159	159	158	158
				110	189	161	160	159	159	158	158
			Coastal	80-90	163	161	160	159	159	158	158
				100	172	161	160	159	159	158	158
	60	Inland	80-100	180	178	177	176	176	175	175	
			110	189	178	177	176	176	175	175	
		Coastal	80-100	180	178	177	176	176	175	175	
			110	208	178	177	176	176	175	175	
	70	Inland	80-110	197	195	194	193	193	192	192	
		Coastal	80-100	197	195	194	193	193	192	192	
			110	208	195	194	193	193	192	192	
	80	All Wind		214	212	211	210	210	209	209	
	90	All Wind		231	229	228	227	227	226	226	
100	All Wind		247	246	245	244	244	243	243		
.40	0-40	Inland	80	104	102	100	100	99	98	98	
			90	127	102	100	100	99	98	98	
			100	156	125	104	100	99	98	98	
			110	189	151	126	108	99	98	98	
		Coastal	80	110	102	100	100	99	98	98	
			90	139	112	100	100	99	98	98	
			100	172	138	115	100	99	98	98	
			110	208	167	139	119	104	98	98	
		50	All Wind		217	215	214	213	212	211	211
		60	All Wind		240	237	236	235	234	234	233
		70	All Wind		262	260	259	258	257	257	256
		80	All Wind		285	283	281	280	280	279	279
		90	All Wind		307	305	304	303	302	302	301
		100	All Wind		330	328	327	326	325	324	324

Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

	Ah
Multi-Section	C, E, I
Width	16'

Seismic Δa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)							
				40	50	60	70	80	90	100
.05-.10	0-100	Inland	80	117	94	78	67	58	52	47
			90	148	118	99	85	74	66	59
			100	183	146	122	104	91	81	73
			110	221	177	147	126	111	98	88
		Coastal	80	129	103	86	74	64	57	52
			90	163	131	109	93	82	73	65
			100	202	161	134	115	101	90	81
			110	244	195	163	139	122	108	98
		Inland	80	117	94	78	67	58	52	47
			90	148	118	99	85	74	66	59
			100	183	146	122	104	91	81	73
			110	221	177	147	126	111	98	88
.15	0-40	Inland	80	117	94	78	67	58	52	47
			90	148	118	99	85	74	66	59
			100	183	146	122	104	91	81	73
			110	221	177	147	126	111	98	88
		Coastal	80	129	103	86	74	64	57	52
			90	163	131	109	93	82	73	65
			100	202	161	134	115	101	90	81
			110	244	195	163	139	122	108	98
		Inland	80	117	94	91	90	90	90	89
			90	148	118	99	90	90	90	89
			100	183	146	122	104	91	90	89
			110	221	177	147	126	111	98	89
		Coastal	80	129	103	91	90	90	90	89
			90	163	131	109	93	90	90	89
			100	202	161	134	115	101	90	89
			110	244	195	163	139	122	108	98
	50	Inland	80	117	94	91	90	90	90	89
			90	148	118	99	90	90	90	89
			100	183	146	122	104	91	90	89
			110	221	177	147	126	111	98	89
		Coastal	80	129	103	91	90	90	90	89
			90	163	131	109	93	90	90	89
			100	202	161	134	115	101	90	89
			110	244	195	163	139	122	108	98
		Inland	80	117	101	100	100	99	99	99
			90	148	118	100	100	99	99	99
			100	183	146	122	104	99	99	99
			110	221	177	147	126	111	99	99
		Coastal	80	129	103	100	100	99	99	99
			90	163	131	109	100	99	99	99
			100	202	161	134	115	101	99	99
			110	244	195	163	139	122	108	99
	70	Inland	80	117	111	110	109	109	109	109
			90	148	118	110	109	109	109	109
			100	183	146	122	109	109	109	109
			110	221	177	147	126	111	109	109
		Coastal	80	129	111	110	109	109	109	109
			90	163	131	110	109	109	109	109
			100	202	161	134	115	109	109	109
			110	244	195	163	139	122	109	109

table continues



Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)


Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)							
				40	50	60	70	80	90	100
.15	80	Inland	80	121	120	120	119	119	119	118
			90	148	120	120	119	119	119	118
			100	183	146	122	119	119	119	118
			110	221	177	147	126	119	119	118
		Coastal	80	129	120	120	119	119	119	118
			90	163	131	120	119	119	119	118
			100	202	161	134	119	119	119	118
			110	244	195	163	139	122	119	118
		90	80	131	130	129	129	129	128	128
			90	148	130	129	129	129	128	128
			100	183	146	129	129	129	128	128
			110	221	177	147	129	129	128	128
		Coastal	80	131	130	129	129	129	128	128
			90	163	131	129	129	129	128	128
			100	202	161	134	129	129	128	128
			110	244	195	163	139	129	128	128
	90	100	80	140	140	139	139	138	138	138
			90	148	140	139	139	138	138	138
			100	183	146	139	139	138	138	138
			110	221	177	147	139	138	138	138
		Coastal	80	140	140	139	139	138	138	138
			90	163	140	139	139	138	138	138
			100	202	161	139	139	138	138	138
			110	244	195	163	139	138	138	138
.20	0-40	Inland	80	117	94	78	67	58	55	54
			90	148	118	99	85	74	66	59
			100	183	146	122	104	91	81	73
			110	221	177	147	126	111	98	88
		Coastal	80	129	103	86	74	64	57	54
			90	163	131	109	93	82	73	65
			100	202	161	134	115	101	90	81
			110	244	195	163	139	122	108	98
		50	80	123	121	121	120	120	119	119
			90	148	121	121	120	120	119	119
			100	183	146	122	120	120	119	119
			110	221	177	147	126	120	119	119
	50	Inland	80	123	121	121	120	120	119	119
			90	148	121	121	120	120	119	119
			100	183	146	122	120	120	119	119
			110	221	177	147	126	120	119	119
		Coastal	80	129	121	121	120	120	119	119
			90	163	131	121	120	120	119	119
			100	202	161	134	120	120	119	119
			110	244	195	163	139	122	119	119

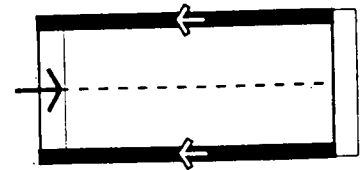
table continues

Required Horizontal Anchorage - Ah - Longitudinal Direction (lb's/ft)

Seismic Aa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)								
			40	50	60	70	80	90	100		
.20	60	Inland	80	136	134	134	133	133	132	132	
			90	148	134	134	133	133	132	132	
			100	183	146	134	133	133	132	132	
			110	221	177	147	133	133	132	132	
		Coastal	80	136	134	134	133	133	132	132	
			90	163	134	134	133	133	132	132	
			100	202	161	134	133	133	132	132	
			110	244	195	163	139	133	132	132	
		70	Inland	80-90	149	147	147	146	146	145	145
				100	183	147	147	146	146	145	145
				110	221	177	147	146	146	145	145
				80	149	147	147	146	146	145	145
			Coastal	90	163	147	147	146	146	145	145
				100	202	161	147	146	146	145	145
				110	244	195	163	146	146	145	145
				80	161	160	159	159	158	158	158
		80	Inland	100	183	160	159	159	158	158	158
				110	221	177	159	159	158	158	158
				80	161	160	159	159	158	158	158
				90	163	160	159	159	158	158	158
			Coastal	100	202	161	159	159	158	158	158
				110	244	195	163	159	158	158	158
				80-90	174	173	172	172	171	171	171
				100	183	173	172	172	171	171	171
	90	Inland	110	221	177	172	172	171	171	171	
			80-90	174	173	172	172	171	171	171	
			100	202	173	172	172	171	171	171	
			110	244	195	172	172	171	171	171	
		Coastal	80-90	174	173	172	172	171	171	171	
			100	202	173	172	172	171	171	171	
			110	244	195	172	172	171	171	171	
			80-100	187	186	185	185	184	184	184	
	100	Inland	110	221	186	185	185	184	184	184	
			80-90	187	186	185	185	184	184	184	
			100	202	186	185	185	184	184	184	
			110	244	195	185	185	184	184	184	
		Coastal	80-90	187	186	185	185	184	184	184	
			100	202	186	185	185	184	184	184	
			110	244	195	185	185	184	184	184	
			80-100	184	182	181	180	180	179	179	
	.30	0-40	Inland	80	117	94	84	83	83	82	82
				90	148	118	99	85	83	82	82
				100	183	146	122	104	91	82	82
				110	221	177	147	126	111	98	88
			Coastal	80	129	103	86	83	83	82	82
				90	163	131	109	93	83	82	82
				100	202	161	134	115	101	90	82
				110	244	195	163	139	122	108	98
50	Inland		80-100	184	182	181	180	180	179	179	
			110	221	182	181	180	180	179	179	
	Coastal		80-90	184	182	181	180	180	179	179	
			100	202	182	181	180	180	179	179	
110	Inland		80-100	184	182	181	180	180	179	179	
			110	244	195	181	180	180	179	179	
	Coastal		80-90	184	182	181	180	180	179	179	
			100	202	182	181	180	180	179	179	

table continues

	Ah
Multi-Section	C, E, I
Width	16'





Required Horizontal Anchorage - Ah - Longitudinal Direction (lbs/ft)

Seismic Δa	Ground Snow (psf)	Wind Speed (mph)	Length (ft)						
			40	50	60	70	80	90	100
.30	60	Inland 80-100	203	202	200	200	199	198	198
		110	221	202	200	200	199	198	198
		Coastal 80-100	203	202	200	200	199	198	198
		110	244	202	200	200	199	198	198
	70	Inland 80-110	223	221	220	219	218	218	217
		Coastal 80-100	223	221	220	219	218	218	217
		110	244	221	220	219	218	218	217
		Inland 80-110	242	240	239	238	238	237	237
	80	Coastal 80-100	242	240	239	238	238	237	237
		110	244	240	239	238	238	237	237
		90 All Wind	262	260	259	258	257	257	256
		100 All Wind	281	279	278	277	276	276	276
.40	0-40	Inland 80	117	114	112	111	110	110	109
		90	148	118	112	111	110	110	109
		100	183	146	122	111	110	110	109
		110	221	177	147	126	111	110	109
		Coastal 80	129	114	112	111	110	110	109
		90	163	131	112	111	110	110	109
		100	202	161	134	115	110	110	109
		110	244	195	163	139	122	110	109
		50 All Wind	245	243	241	240	239	239	238
		60 All Wind	271	269	267	266	265	265	264
		70 All Wind	297	295	293	292	291	290	290
		80 All Wind	323	321	319	318	317	316	316
	100	90 All Wind	349	346	345	344	343	342	342
		100 All Wind	375	372	371	369	369	368	367