

Allowable Axial Loads



Green-Source
PRODUCTS

Wall Thickness: 5.5" | Tube Size: 1x2 | Tube Gauge: 18

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	2250
10	1x2	18	2250
12	1x2	18	1400
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	2050
10	1x2	18	2050
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1900
10	1x2	18	1900
12	1x2	18	750
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1800
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1700
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1550
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1450
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 5.5" | Tube Size: 1x2 | Tube Gauge: 16

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	3000
10	1x2	16	3000
12	1x2	16	1300
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2850
10	1x2	16	2850
12	1x2	16	1200
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2700
10	1x2	16	2700
12	1x2	16	1150
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2400
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2550
10	1x2	16	2250
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2500
10	1x2	16	2150
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.

Wall Thickness: 5,5" | Tube Size: 2x2 | Tube Gauge: 18

Interior Walls			5psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5750
10	2x2	18	5750
12	2x2	18	3900
16	2x2	18	2050
20	2x2	18	1200

Wind Pressure			15psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5250
10	2x2	18	5250
12	2x2	18	3300
16	2x2	18	1500
20	2x2	18	n/a

Wind Pressure			20psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5000
10	2x2	18	5000
12	2x2	18	3050
16	2x2	18	1250
20	2x2	18	n/a

Wind Pressure			25psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4700
10	2x2	18	4700
12	2x2	18	2800
16	2x2	18	1000
20	2x2	18	n/a

Wind Pressure			30psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4700
10	2x2	18	4450
12	2x2	18	2600
16	2x2	18	700
20	2x2	18	n/a

Wind Pressure			35psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4700
10	2x2	18	4150
12	2x2	18	2250
16	2x2	18	500
20	2x2	18	n/a

Wind Pressure			40psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4600
10	2x2	18	3850
12	2x2	18	2000
16	2x2	18	n/a
20	2x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 5,5" | Tube Size: 2x2 | Tube Gauge: 16

Interior Walls			5psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6700
10	2x2	16	6700
12	2x2	16	4350
16	2x2	16	2300
20	2x2	16	1350

Wind Pressure			15psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	6000
12	2x2	16	3800
16	2x2	16	1750
20	2x2	16	n/a

Wind Pressure			20psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5500
10	2x2	16	5500
12	2x2	16	3500
16	2x2	16	1500
20	2x2	16	n/a

Wind Pressure			25psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5100
10	2x2	16	5100
12	2x2	16	3250
16	2x2	16	1250
20	2x2	16	n/a

Wind Pressure			30psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5100
10	2x2	16	5100
12	2x2	16	3000
16	2x2	16	1000
20	2x2	16	n/a

Wind Pressure			35psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5100
10	2x2	16	4800
12	2x2	16	2750
16	2x2	16	750
20	2x2	16	n/a

Wind Pressure			40psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5000
10	2x2	16	4500
12	2x2	16	2450
16	2x2	16	550
20	2x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.



Wall Thickness: 6" | Tube Size: 1x2 | Tube Gauge: 18

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	2250
10	1x2	18	2250
12	1x2	18	1400
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	2050
10	1x2	18	2050
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1900
10	1x2	18	1900
12	1x2	18	750
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1800
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1700
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1550
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	18	1800
10	1x2	18	1450
12	1x2	18	n/a
16	1x2	18	n/a
20	1x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 6" | Tube Size: 1x2 | Tube Gauge: 16

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	3000
10	1x2	16	3000
12	1x2	16	1300
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2850
10	1x2	16	2850
12	1x2	16	1200
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2700
10	1x2	16	2700
12	1x2	16	1150
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2400
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2550
10	1x2	16	2250
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	1x2	16	2500
10	1x2	16	2150
12	1x2	16	n/a
16	1x2	16	n/a
20	1x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.



Wall Thickness: 6" | Tube Size: 2x2 | Tube Gauge: 18

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5750
12	2x2	18	3900
16	2x2	18	2050
20	2x2	18	1200

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5250
10	2x2	18	5250
12	2x2	18	3300
16	2x2	18	1500
20	2x2	18	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5000
10	2x2	18	5000
12	2x2	18	3050
16	2x2	18	1250
20	2x2	18	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4700
10	2x2	18	4700
12	2x2	18	2800
16	2x2	18	1000
20	2x2	18	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4700
10	2x2	18	4450
12	2x2	18	2600
16	2x2	18	700
20	2x2	18	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4700
10	2x2	18	4150
12	2x2	18	2250
16	2x2	18	500
20	2x2	18	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	4600
10	2x2	18	3850
12	2x2	18	2000
16	2x2	18	n/a
20	2x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 6" | Tube Size: 2x2 | Tube Gauge: 16

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6700
12	2x2	16	4350
16	2x2	16	2300
20	2x2	16	1350

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	6000
12	2x2	16	3800
16	2x2	16	1750
20	2x2	16	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5500
10	2x2	16	5500
12	2x2	16	3500
16	2x2	16	1500
20	2x2	16	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5100
10	2x2	16	5100
12	2x2	16	3250
16	2x2	16	1250
20	2x2	16	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5100
10	2x2	16	5100
12	2x2	16	3000
16	2x2	16	1000
20	2x2	16	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5100
10	2x2	16	4800
12	2x2	16	2750
16	2x2	16	750
20	2x2	16	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	5000
10	2x2	16	4500
12	2x2	16	2450
16	2x2	16	550
20	2x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.



Wall Thickness: 7.25" | Tube Size: 1x2 | Tube Gauge: 18

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2300
10	1x2	18	2300
12	1x2	18	1000
16	1x2	18	550
20	1x2	18	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2150
10	1x2	18	2150
12	1x2	18	900
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2050
10	1x2	18	2050
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	2000
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	1850
12	1x2	18	700
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	1800
12	1x2	18	700
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	1950
10	1x2	18	1750
12	1x2	18	600
16	1x2	18	n/a
20	1x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 7.25" | Tube Size: 1x2 | Tube Gauge: 16

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	3000
10	1x2	16	3000
12	1x2	16	1300
16	1x2	16	700
20	1x2	16	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2800
10	1x2	16	2800
12	1x2	16	1200
16	1x2	16	600
20	1x2	16	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2700
10	1x2	16	2700
12	1x2	16	1650
16	1x2	16	550
20	1x2	16	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	1100
16	1x2	16	500
20	1x2	16	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	1000
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2500
12	1x2	16	1000
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2400
12	1x2	16	950
16	1x2	16	n/a
20	1x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.



Wall Thickness: 7.25" | Tube Size: 2x2 | Tube Gauge: 18

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	7000
10	2x2	18	7000
12	2x2	18	4000
16	2x2	18	2650
20	2x2	18	1300

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	5500
10	2x2	18	5500
12	2x2	18	3650
16	2x2	18	1800
20	2x2	18	900

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	5100
10	2x2	18	5100
12	2x2	18	3500
16	2x2	18	1600
20	2x2	18	800

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	5000
10	2x2	18	5000
12	2x2	18	3350
16	2x2	18	1500
20	2x2	18	650

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	5000
10	2x2	18	5000
12	2x2	18	3150
16	2x2	18	1300
20	2x2	18	500

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	5000
10	2x2	18	5000
12	2x2	18	3000
16	2x2	18	1150
20	2x2	18	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	18	5000
10	2x2	18	4800
12	2x2	18	2850
16	2x2	18	1000
20	2x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 7.25" | Tube Size: 2x2 | Tube Gauge: 16

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	7000
10	2x2	16	7000
12	2x2	16	4500
16	2x2	16	2400
20	2x2	16	1450

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	6400
10	2x2	16	6400
12	2x2	16	4100
16	2x2	16	2050
20	2x2	16	1150

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	6250
10	2x2	16	6250
12	2x2	16	3950
16	2x2	16	1900
20	2x2	16	950

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	6000
12	2x2	16	3800
16	2x2	16	1750
20	2x2	16	800

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	5750
12	2x2	16	3650
16	2x2	16	1600
20	2x2	16	650

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	5650
12	2x2	16	3450
16	2x2	16	1400
20	2x2	16	500

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gauge	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	5050
12	2x2	16	3300
16	2x2	16	1250
20	2x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.



Wall Thickness: 9.25" | Tube Size: 1x2 | Tube Gauge: 18

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2300
10	1x2	18	2300
12	1x2	18	1000
16	1x2	18	550
20	1x2	18	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2200
10	1x2	18	2200
12	1x2	18	950
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2100
10	1x2	18	2100
12	1x2	18	900
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	2000
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	2000
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	2000
12	1x2	18	800
16	1x2	18	n/a
20	1x2	18	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	18	2000
10	1x2	18	1950
12	1x2	18	750
16	1x2	18	n/a
20	1x2	18	n/a

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 9.25" | Tube Size: 1x2 | Tube Gauge: 16

Interior Walls		5psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	3000
10	1x2	16	3000
12	1x2	16	1300
16	1x2	16	700
20	1x2	16	n/a

Wind Pressure		15psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2800
10	1x2	16	2800
12	1x2	16	1200
16	1x2	16	600
20	1x2	16	n/a

Wind Pressure		20psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2700
10	1x2	16	2700
12	1x2	16	1650
16	1x2	16	550
20	1x2	16	n/a

Wind Pressure		25psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	1100
16	1x2	16	500
20	1x2	16	n/a

Wind Pressure		30psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	1150
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		35psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	1100
16	1x2	16	n/a
20	1x2	16	n/a

Wind Pressure		40psf	
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	1x2	16	2600
10	1x2	16	2600
12	1x2	16	1050
16	1x2	16	n/a
20	1x2	16	n/a

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.



Wall Thickness: 9.25" | Tube Size: 2x2 | Tube Gauge: 18

Interior Walls			5psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	7000
10	2x2	18	7000
12	2x2	18	4000
16	2x2	18	2650
20	2x2	18	1300

Wind Pressure			15psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	6000
10	2x2	18	6000
12	2x2	18	3850
16	2x2	18	2000
20	2x2	18	1100

Wind Pressure			20psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5500
10	2x2	18	5500
12	2x2	18	3700
16	2x2	18	1850
20	2x2	18	1000

Wind Pressure			25psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5500
10	2x2	18	5500
12	2x2	18	3600
16	2x2	18	1700
20	2x2	18	900

Wind Pressure			30psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5500
10	2x2	18	5500
12	2x2	18	3500
16	2x2	18	1650
20	2x2	18	800

Wind Pressure			35psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5500
10	2x2	18	5450
12	2x2	18	3400
16	2x2	18	1500
20	2x2	18	700

Wind Pressure			40psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	18	5500
10	2x2	18	5300
12	2x2	18	3250
16	2x2	18	1400
20	2x2	18	550

Lateral Deflection Criteria	
L/240	L/600

Wall Thickness: 9.25" | Tube Size: 2x2 | Tube Gauge: 16

Interior Walls			5psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	7000
10	2x2	16	7000
12	2x2	16	4500
16	2x2	16	2400
20	2x2	16	1450

Wind Pressure			15psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6500
10	2x2	16	6500
12	2x2	16	4300
16	2x2	16	2750
20	2x2	16	1300

Wind Pressure			20psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6500
10	2x2	16	6500
12	2x2	16	4200
16	2x2	16	2100
20	2x2	16	1200

Wind Pressure			25psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6250
10	2x2	16	6250
12	2x2	16	4100
16	2x2	16	2000
20	2x2	16	1050

Wind Pressure			30psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6250
10	2x2	16	6250
12	2x2	16	3950
16	2x2	16	1900
20	2x2	16	950

Wind Pressure			35psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	6000
12	2x2	16	3850
16	2x2	16	1800
20	2x2	16	850

Wind Pressure			40psf
Height (ft)	Tube size	Tube Gage	Allowable Axial Load (plf)
8	2x2	16	6000
10	2x2	16	6000
12	2x2	16	3750
16	2x2	16	1650
20	2x2	16	750

Lateral Deflection Criteria	
L/240	L/600

Note: Data presented is based on limited test results and is not a guarantee of minimum or maximum values under all conditions. Results may vary based on design.

