

SELF-SUPPORTING TOWERS





STANDARD G-SERIES SELF-SUPPORTING



G-SERIES SELF-SUPPORTING

GENERAL USE

The self-supporting G-Series towers offer an easy, low-cost solution to get light weight antennas in the air quickly. By using the G-Series tower as a self-supporting structure, you minimize land area usage. They are functional in a wide variety of wind speeds. See ROHN's standard designs to help identify the right structure for your project. These are the same sturdy, robust tower sections that ROHN has fabricated for years. Each larger model allows for more loading capacity.

FEATURES

- Completely hot-dip galvanized after fabrication
- Cross bracing is formed by a continuous solid rod bracing fashioned into a zig-zag pattern for strength
- Pre-engineered loading charts meet varying individual specs and site conditions
- Typical uses include: small dishes, broadband, security and two-way communication
- All towers have 'fixed' bases

KITS

The kit part numbers for ROHN Self-Supporting G-Series towers include:

- Short base for embedment in concrete
- Rev F ground kit
- All tower sections and connection hardware
- Tapered top (25G and 45G towers)
- Top plate (55G towers)
- Cap plate kit (65G towers)



Typical Self-Supporting 25G, 45G and 55G Tower



Typical Self-Supporting 45GSR and 65G Tower

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 207 for ordering information.



G SERIES
REV. F ALLOWABLE ANTENNA AREAS (SQ. FT.)

70 MPH
 Fastest Mile

| 70 MPH Fastest Mile Wind Speed - No Ice | | | | | | | | |
|---|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Height | 25G | | 45G | | 55G | | 65G | |
| | FT ² | Part No. |
| 10' | 19.7 | 25SS010 | 42.5 | 45SS010 | 75.0 | 55SS010 | 95.0 | 65SS010 |
| 20' | 14.2 | 25SS020 | 22.0 | 45SS020 | 43.0 | 55SS020 | 95.0 | 65SS020 |
| 30' | 6.4 | 25SS030 | 12.0 | 45SS030 | 26.0 | 55SS030 | 76.2 | 65SS030 |
| 35' | 3.6 | 25SS035 | 8.7 | 45SS035 | 21.9 | 55SS035 | 61.2 | 65SS035 |
| 40' | 1.5 | 25SS040 | 5.1 | 45SS040 | 15.0 | 55SS040 | 48.8 | 65SS040 |
| 45' | | | 2.3 | 45SS045 | 11.4 | 55SS045 | 39.0 | 65SS045 |
| 50' | | | | | 6.5 | 55SS050 | 29.3 | 65SS050 |
| 55' | | | | | 4.0 | 55SS055 | 24.4 | 65SS055 |
| 60' | | | | | 0.8 | 55SS060 | 18.4 | 65SS060 |
| 70' | | | | | | | 8.7 | 65SS070 |
| 80' | | | | | | | 0.9 | 65SS080 |

80 MPH
 Fastest Mile

| 80 MPH Fastest Mile Wind Speed - No Ice | | | | | | | | |
|---|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Height | 25G | | 45G | | 55G | | 65G | |
| | FT ² | Part No. |
| 10' | 14.3 | 25SS010 | 30.0 | 45SS010 | 57.0 | 55SS010 | 95.0 | 65SS010 |
| 20' | 9.0 | 25SS020 | 16.0 | 45SS020 | 30.0 | 55SS020 | 85.0 | 65SS020 |
| 30' | 3.7 | 25SS030 | 7.5 | 45SS030 | 17.0 | 55SS030 | 55.8 | 65SS030 |
| 35' | 1.4 | 25SS035 | 4.7 | 45SS035 | 14.5 | 55SS035 | 44.0 | 65SS035 |
| 40' | | | 1.4 | 45SS040 | 8.0 | 55SS040 | 34.1 | 65SS040 |
| 45' | | | | | 5.9 | 55SS045 | 26.2 | 65SS045 |
| 50' | | | | | 1.5 | 55SS050 | 19.7 | 65SS050 |
| 55' | | | | | | | 14.5 | 65SS055 |
| 60' | | | | | | | 9.4 | 65SS060 |
| 70' | | | | | | | 1.3 | 65SS070 |

90 MPH
 Fastest Mile

| 90 MPH Fastest Mile Wind Speed - No Ice | | | | | | | | |
|---|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Height | 25G | | 45G | | 55G | | 65G | |
| | FT ² | Part No. |
| 10' | 10.5 | 25SS010 | 25.0 | 45SS010 | 45.0 | 55SS010 | 95.0 | 65SS010 |
| 20' | 6.9 | 25SS020 | 11.0 | 45SS020 | 23.0 | 55SS020 | 65.0 | 65SS020 |
| 30' | 1.7 | 25SS030 | 4.0 | 45SS030 | 12.0 | 55SS030 | 40.0 | 65SS030 |
| 35' | | | 1.9 | 45SS035 | 9.4 | 55SS035 | 32.2 | 65SS035 |
| 40' | | | | | 4.0 | 55SS040 | 24.1 | 65SS040 |
| 45' | | | | | 2.2 | 55SS045 | 17.7 | 65SS045 |
| 50' | | | | | | | 14.5 | 65SS050 |
| 55' | | | | | | | 7.7 | 65SS055 |
| 60' | | | | | | | 3.3 | 65SS060 |

Note: Antenna areas, ft.², assume all round antenna members.

NO ICE



G SERIES

REV. G EFFECTIVE PROJECTED AREA (SQ. FT.)

90 MPH
3-Second Gust

| 90 MPH 3-Second Gust Wind Speed | | | | | | | | | | | | | | | |
|---------------------------------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|
| Height | 25G | | | 45G | | | 45GSR | | | 55G | | | 65G | | |
| | EPA | | Part No. |
| | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | |
| 10' | 26.8 | 21.3 | 25SS010 | 60.0 | 47.5 | 45SS010 | 95 | 84 | 45SR010 | 80 | 79 | 55SS010 | 95 | 95 | 65SS010 |
| 20' | 18.5 | 13.4 | 25SS020 | 31.3 | 22.7 | 45SS020 | 95 | 71 | 45SR020 | 56 | 42 | 55SS020 | 95 | 95 | 65SS020 |
| 30' | 7.9 | 4.1 | 25SS030 | 16.1 | 8.4 | 45SS030 | 87 | 58 | 45SR030 | 34 | 21 | 55SS030 | 95 | 71 | 65SS030 |
| 35' | 4.4 | 1.2 | 25SS035 | 9.8 | 3.8 | 45SS035 | 76 | 52 | 45SR035 | 25 | 14 | 55SS035 | 80 | 54 | 65SS035 |
| 40' | 1.3 | - | 25SS040 | 4.9 | - | 45SS040 | 60 | 40 | 45SR040 | 17 | 8 | 55SS040 | 62 | 41 | 65SS040 |
| 45' | | | | 0.7 | - | 45SS045 | 48 | 31 | 45SR045 | 11 | 3 | 55SS045 | 48 | 30 | 65SS045 |
| 50' | | | | | | | 38 | 23 | 45SR050 | 5 | - | 55SS050 | 37 | 21 | 65SS050 |
| 55' | | | | | | | 29 | 16 | 45SR055 | | | | 28 | 14 | 65SS055 |
| 60' | | | | | | | 22 | 11 | 45SR060 | | | | 20 | 7 | 65SS060 |

100 MPH
3-Second Gust

| 100 MPH 3-Second Gust Wind Speed | | | | | | | | | | | | | | | |
|----------------------------------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|
| Height | 25G | | | 45G | | | 45GSR | | | 55G | | | 65G | | |
| | EPA | | Part No. |
| | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | |
| 10' | 20.7 | 16.4 | 25SS010 | 47.4 | 39.5 | 45SS010 | 82 | 66 | 45SR010 | 78 | 63 | 55SS010 | 95 | 95 | 65SS010 |
| 20' | 14.0 | 9.9 | 25SS020 | 23.2 | 16.9 | 45SS020 | 74 | 55 | 45SR020 | 43 | 32 | 55SS020 | 95 | 95 | 65SS020 |
| 30' | 5.3 | 2.2 | 25SS030 | 9.7 | 4.8 | 45SS030 | 66 | 43 | 45SR030 | 24 | 14 | 55SS030 | 81 | 55 | 65SS030 |
| 35' | 2.1 | - | 25SS035 | 5.1 | 0.7 | 45SS035 | 59 | 38 | 45SR035 | 17 | 8 | 55SS035 | 61 | 40 | 65SS035 |
| 40' | | | | 1.2 | - | 45SS040 | 46 | 30 | 45SR040 | 10 | 3 | 55SS040 | 47 | 29 | 65SS040 |
| 45' | | | | | | | 35 | 22 | 45SR045 | 5 | - | 55SS045 | 35 | 20 | 65SS045 |
| 50' | | | | | | | 27 | 15 | 45SR050 | | | | 26 | 13 | 65SS050 |
| 55' | | | | | | | 20 | 9 | 45SR055 | | | | 17 | 6 | 65SS055 |
| 60' | | | | | | | 13 | 4 | 45SR060 | | | | 11 | 1 | 65SS060 |

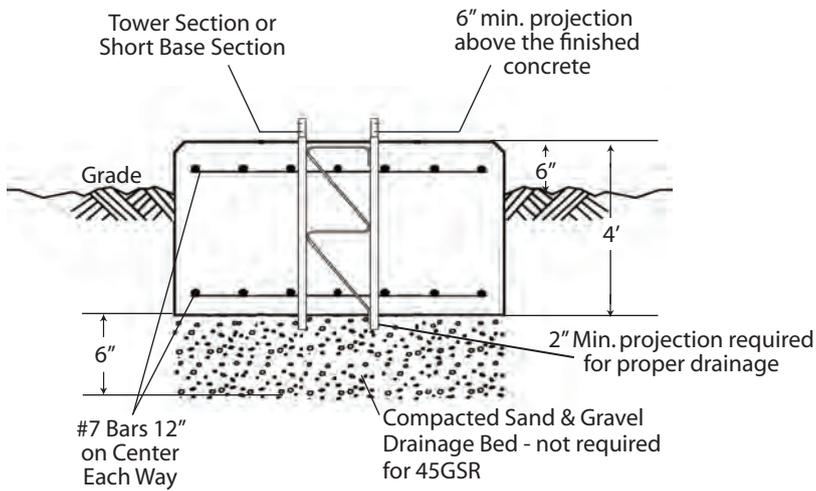
110 MPH
3-Second Gust

| 110 MPH 3-Second Gust Wind Speed | | | | | | | | | | | | | | | |
|----------------------------------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|
| Height | 25G | | | 45G | | | 45GSR | | | 55G | | | 65G | | |
| | EPA | | Part No. |
| | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | | Exp.B | Exp.C | |
| 10' | 16.5 | 12.7 | 25SS010 | 39.4 | 31.9 | 45SS010 | 67 | 53 | 45SR010 | 63 | 51 | 55SS010 | 95 | 95 | 65SS010 |
| 20' | 10.6 | 7.2 | 25SS020 | 18.3 | 12.3 | 45SS020 | 59 | 43 | 45SR020 | 34 | 25 | 55SS020 | 95 | 81 | 65SS020 |
| 30' | 3.1 | 0.4 | 25SS030 | 6.5 | 1.9 | 45SS030 | 51 | 32 | 45SR030 | 17 | 9 | 55SS030 | 65 | 43 | 65SS030 |
| 35' | | | | 1.7 | - | 45SS035 | 45 | 27 | 45SR035 | 11 | 4 | 55SS035 | 48 | 30 | 65SS035 |
| 40' | | | | | | | 35 | 22 | 45SR040 | 5 | - | 55SS040 | 35 | 21 | 65SS040 |
| 45' | | | | | | | 26 | 15 | 45SR045 | | | | 25 | 13 | 65SS045 |
| 50' | | | | | | | 19 | 9 | 45SR050 | | | | 17 | 6 | 65SS050 |
| 55' | | | | | | | 13 | 4 | 45SR055 | | | | 10 | - | 65SS055 |
| 60' | | | | | | | 7 | - | 45SR060 | | | | 4 | - | 65SS060 |

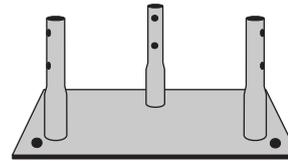
Note: Antenna areas, ft.², assume all round antenna members.

NOICE

SELF-SUPPORTING G-SERIES FOUNDATIONS



ELEVATION VIEW
25G (shown), 45G & 55G
SELF-SUPPORTING TOWER FOUNDATION



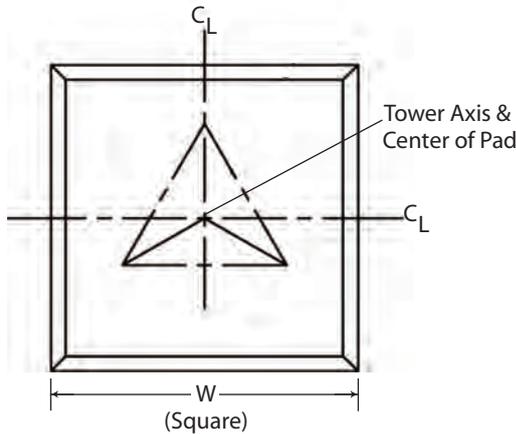
CONCRETE BASE PLATE WITH ANCHORS
25GSSB
FOR USE WITH SELF-SUPPORTING 25G TOWERS.

ALTERNATIVE TO USING SHORT BASE. BASE BOLTS & TEMPLATE MUST BE ORDERED SEPARATELY.



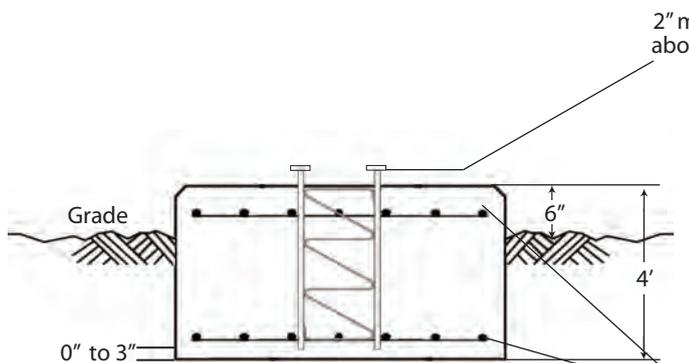
BASE BOLTS & TEMPLATE
R-KH8175A

FOR USE WITH 25GSSB IN SELF-SUPPORTING 25G TOWER APPLICATIONS. KIT INCLUDES (1) TEMPLATE & (4) BASE BOLTS.

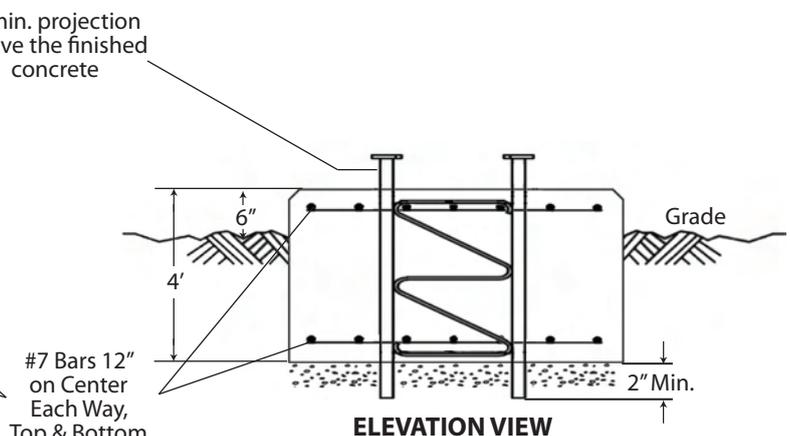


PLAN VIEW

| Tower | Mat Width (W) | Concrete Volume (Cu. Yds.) |
|--------------|---------------|----------------------------|
| 25G | 4' - 0" | 2.4 |
| 45G | 5' - 3" | 4.1 |
| 55G | 6' - 0" | 5.3 |
| 45GSR 65G | 7' - 9" | 8.9 |



ELEVATION VIEW
45GSR
SELF-SUPPORTING TOWER FOUNDATION



ELEVATION VIEW
65G
SELF-SUPPORTING TOWER FOUNDATION



SELF-SUPPORTING G-SERIES DESIGN NOTES

1. Tower designs are in accordance with approved national standard ANSI/EIA-222-F and ANSI/TIA-222G, Structure Class I, Exposures B and C, Topographic Category I.
2. All towers must have "fixed" bases. Pinned bases may not be used.
3. Designs assume transmission lines symmetrically placed as follows:
 - 25G Tower - One 5/8" Line on each face (Total =3)
 - 45G Tower - One 7/8" Line and one 1/2" line on each face (Total = 3 @ 7/8" & 3 @ 1/2")
 - 55G & 65G Towers - Two 7/8" Lines on each face (Total =6)
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Rev F tabulated allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying Rev. F Antenna areas shown by 0.6.
7. Standard foundation designs are based on Rev. F normal soil and Rev. G presumptive clay soil parameters.

Refer to pages 147-153 for General Installation and Foundation Notes.

NOTES

A tall, slender lattice tower stands in the center of a cornfield. The tower is composed of a series of vertical and diagonal cross-braces, forming a lattice structure. At the top, there is a platform with various antennas and equipment. The foreground is filled with rows of corn plants, their leaves and tassels visible. The background shows a cloudy sky. Overlaid on the entire image are horizontal lines, providing a space for notes.



STANDARD 65G SELF-SUPPORTING CAMERA TOWERS (all-welded)

REV. F: 90 MPH FASTEST MILE - 1/2" ICE

REV. G: 110 MPH 3-SEC GUST WIND SPEED (NO ICE),
40 MPH 3-SEC GUST WIND SPEED (3/4" ICE),
CLASS II, EXPOSURE C, TOPO CATEGORY 1
SEISMIC COEFFICIENT $S_s \leq 1.0$

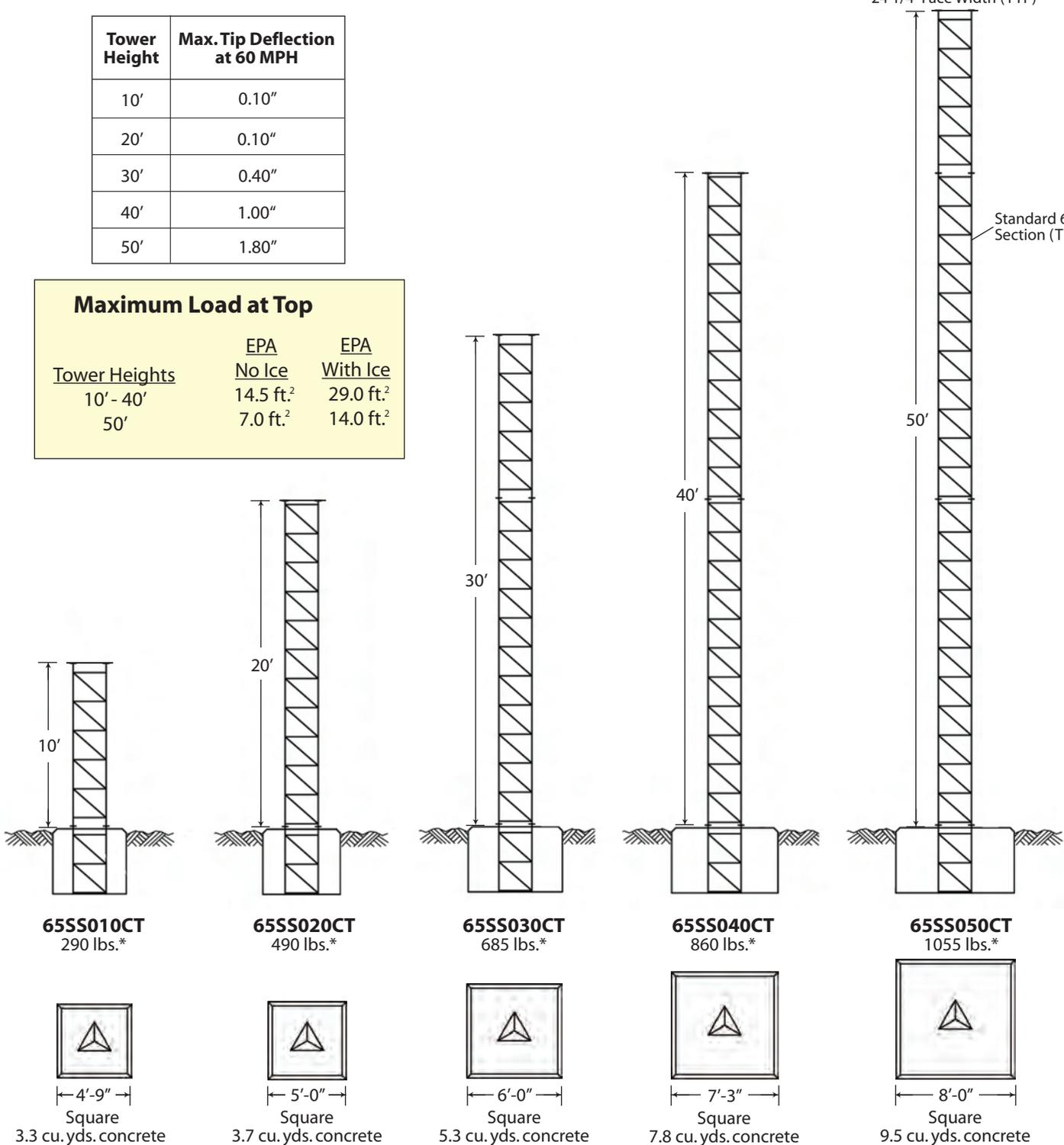
| Tower Height | Max. Tip Deflection at 60 MPH |
|--------------|-------------------------------|
| 10' | 0.10" |
| 20' | 0.10" |
| 30' | 0.40" |
| 40' | 1.00" |
| 50' | 1.80" |

| Maximum Load at Top | | |
|---------------------|-----------------------|-----------------------|
| Tower Heights | EPA No Ice | EPA With Ice |
| 10' - 40' | 14.5 ft. ² | 29.0 ft. ² |
| 50' | 7.0 ft. ² | 14.0 ft. ² |

ALL WELDED

24 1/4" Face Width (TYP)

Standard 65G Section (TYP)



65SS010CT
290 lbs.*

65SS020CT
490 lbs.*

65SS030CT
685 lbs.*

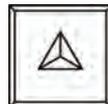
65SS040CT
860 lbs.*

65SS050CT
1055 lbs.*



4'-9" Square

3.3 cu. yds. concrete



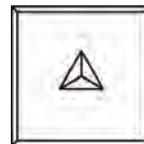
5'-0" Square

3.7 cu. yds. concrete



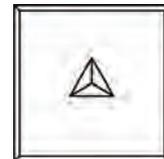
6'-0" Square

5.3 cu. yds. concrete



7'-3" Square

7.8 cu. yds. concrete



8'-0" Square

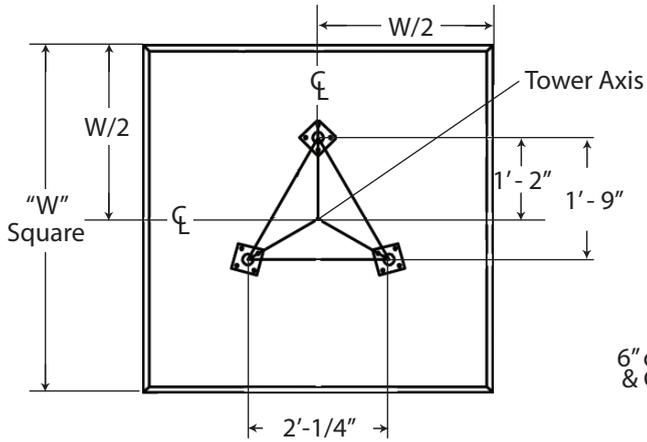
9.5 cu. yds. concrete

Includes short base section, tower sections, Rev G grounding material and 3/16" top mounting plate with attachment hardware.

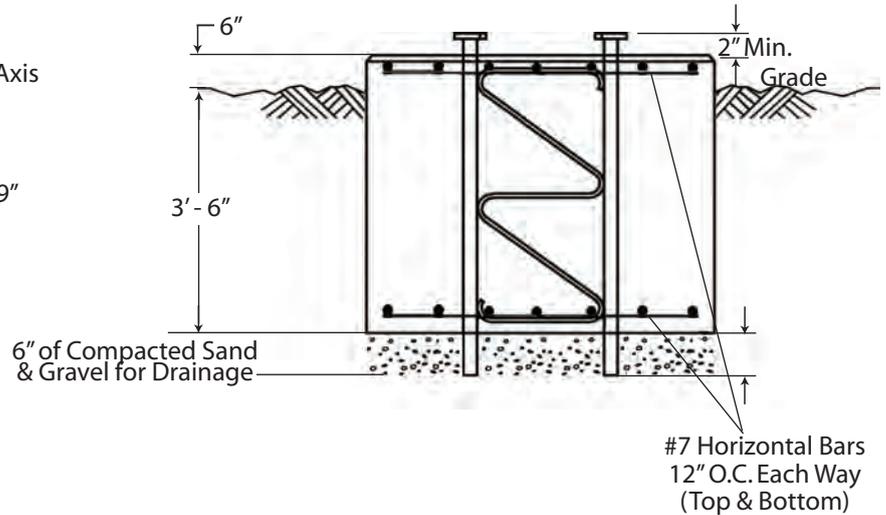
* Per Rev. G requirements, any structure greater than 10' requires a climber safety device.

Please see page 173 for ordering information.

65G CAMERA TOWERS STANDARD FOUNDATION DETAILS

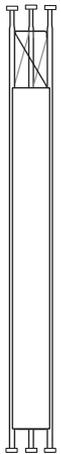


See tower elevation page for "W" dimension.



#7 Horizontal Bars
12" O.C. Each Way
(Top & Bottom)

ACCESSORIES

| | | | |
|---|---|--|--|
|  <p>ANTI-CLIMB PANELS VW915A ORDERED SEPARATELY</p> |  <p>CLIMBING HARNESS TTFBH-4D JOURNEYMAN HARNESS TTFBH-C/P PROFESSIONAL HARNESS</p> |  <p>SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC</p> | <p>SAFETY CABLE SYSTEM R-TT05065 FITS ALL TOWER HEIGHTS</p> |
|---|---|--|--|

GENERAL NOTES

1. Tower designs are in accordance with ANSI/TIA/222-G.
2. Camera and mount assumed symmetrically placed at tower top.
3. Tower design assumes one 7/8" line on each tower face.
4. Assembly drawings and standard foundation details are provided with the tower.
5. Standard foundation illustrated is for general information only and is based on Rev F normal soil and Rev G presumptive clay soil parameters.



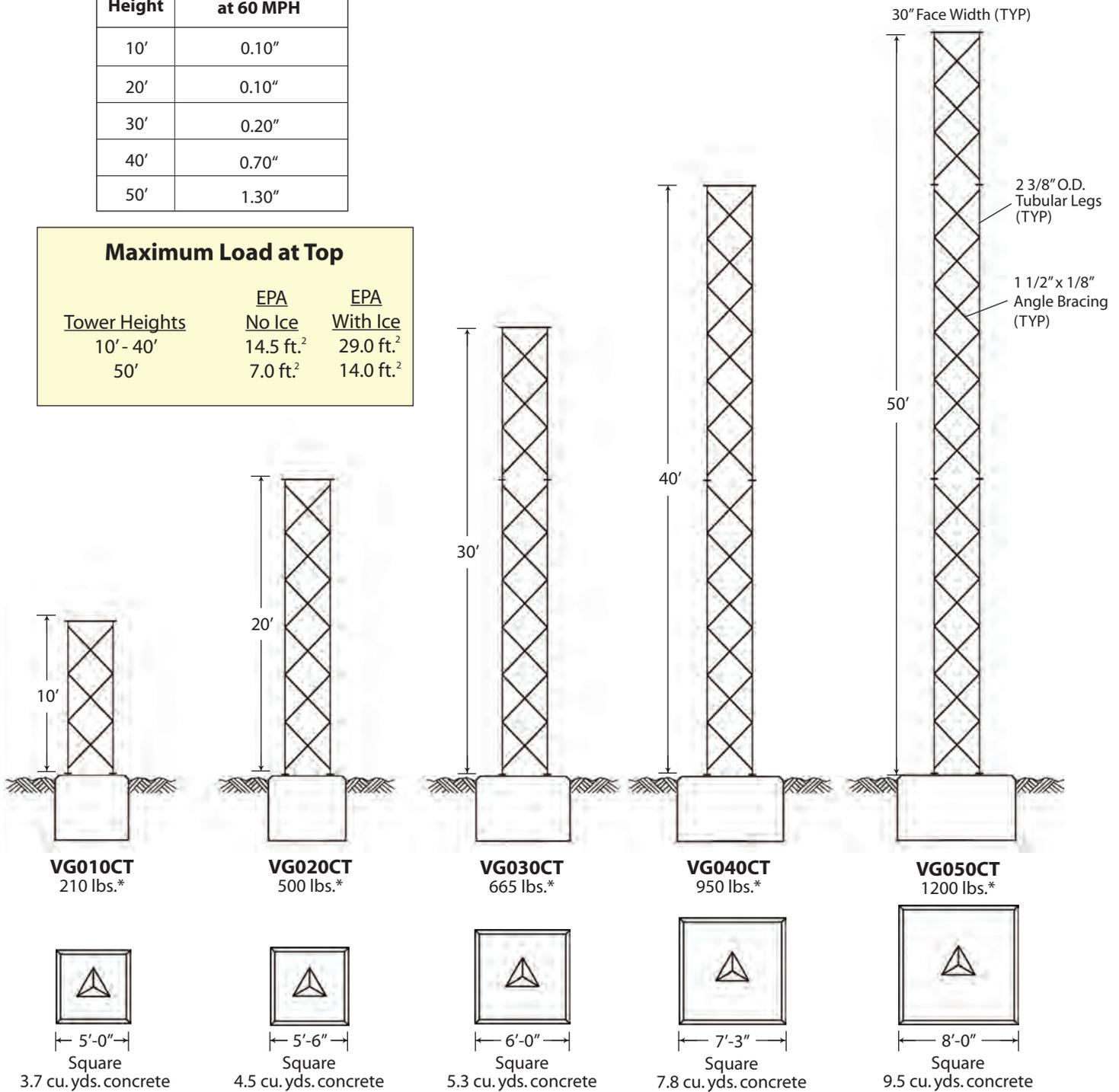
STANDARD VG SELF-SUPPORTING CAMERA TOWERS (field bolted)

REV. F: 90 MPH FASTEST MILE - 1/2" ICE
REV. G: 110 MPH 3-SEC GUST WIND SPEED (NO ICE),
 40 MPH 3-SEC GUST WIND SPEED (3/4" ICE),
 CLASS II, EXPOSURE C, TOPO CATEGORY 1
 SEISMIC COEFFICIENT $S_s \leq 1.0$

| Tower Height | Max. Tip Deflection at 60 MPH |
|--------------|-------------------------------|
| 10' | 0.10" |
| 20' | 0.10" |
| 30' | 0.20" |
| 40' | 0.70" |
| 50' | 1.30" |

| Tower Heights | Maximum Load at Top | |
|---------------|-----------------------|-----------------------|
| | EPA No Ice | EPA With Ice |
| 10' - 40' | 14.5 ft. ² | 29.0 ft. ² |
| 50' | 7.0 ft. ² | 14.0 ft. ² |

KNOCKED DOWN

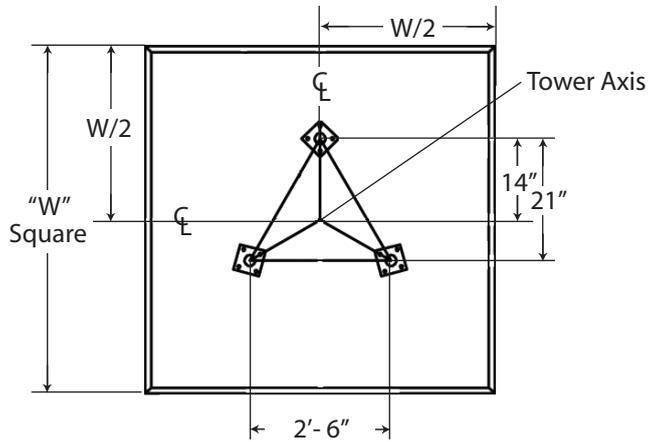


Includes anchor bolt templates, tower sections, Rev G grounding material, 1/2" top mounting plate with attachment hardware and step bolts.

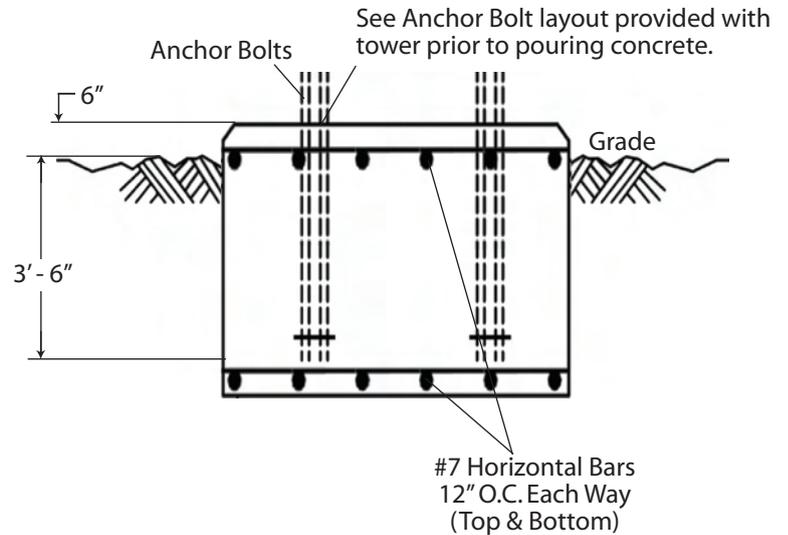
* Per Rev. G requirements, any structure greater than 10' requires a climber safety device.

See page 175 for ordering information.

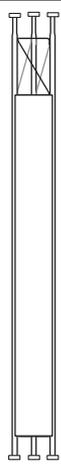
VG CAMERA TOWERS STANDARD FOUNDATION DETAILS



See tower elevation page for "W" dimensions.



ACCESSORIES

| | | | |
|--|---|--|---|
|  <p>ANTI-CLIMB PANELS VW917A</p> |  <p>CLIMBING HARNESS TTFBH-4D JOURNEYMAN HARNESS TTFBH-C/P PROFESSIONAL HARNESS</p> |  <p>SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC</p> | <p>SAFETY CABLE SYSTEM R-TT050SSL FITS ALL TOWER HEIGHTS</p> |
|--|---|--|---|

GENERAL NOTES

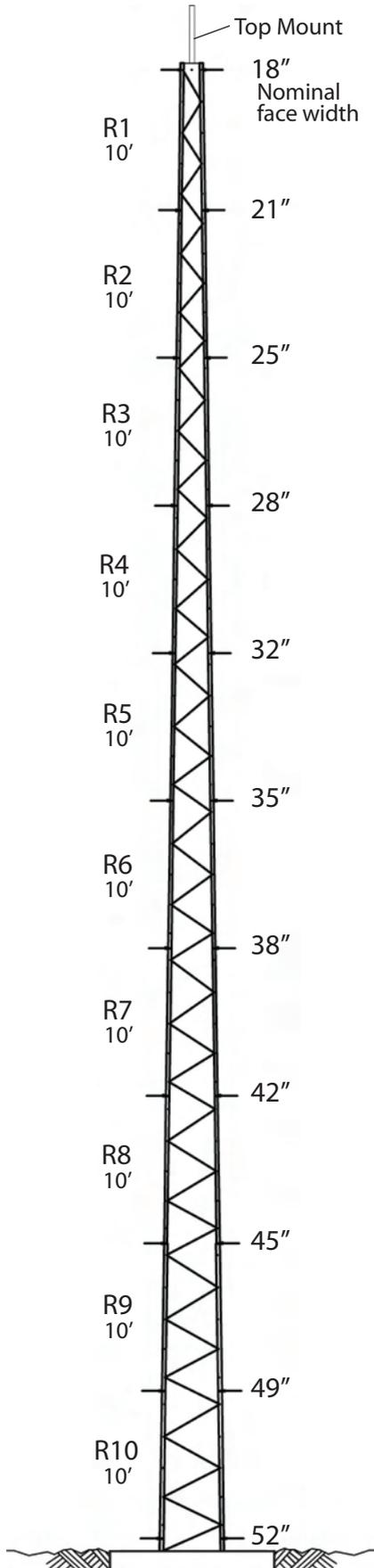
1. Tower designs are in accordance with ANSI/TIA/222-G.
2. Camera and mount assumed symmetrically placed at tower top.
3. Tower design assumes one 3/4" conduit on one tower face.
4. Assembly drawings and standard foundation details are provided with the tower.
5. Standard foundation illustrated is for general information only and is based on Rev F normal soil and Rev G presumptive clay soil parameters

Refer to pages 147-153 for Foundation General Notes.



STANDARD RSL SELF-SUPPORTING TOWERS (field bolted)

RSL



GENERAL USE

The ROHN RSL is a light weight self-supporting tower designed for use in broadband, public safety and security applications. The RSL reaches above line-of-site obstacles such as tree tops, hilly terrain and buildings. If your site is remote or rugged, the RSL is shipped knocked down to reduce shipping cost and time.

FEATURES

- Available in heights from 20' up to 100'
- High strength 60° formed angle legs
- Aerodynamic tubular bracing
- Easy to transport and assemble
- Ships in 10' sections or knocked-down
- Tower material is hot-dip galvanized
- Assembly drawings provided with tower

Optional items are available and may be ordered separately:

- Step bolts
- Safety climbing device
- Top post
- Anti-climb panels
- Side arm mount
- Dish mount
- Grounding kit

Refer to page 185 for foundation details.

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 183 for ordering information.

BUYERS GUIDE

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R030L103 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 70 |
| 75 [90] | 61 |
| 80 [95] | 53 |
| 90 [105] | 41 |
| 100 [115] | 30 |
| Base Options | |
| Short Base | RSB03 |
| Anchor Base | RAL03 |

DESIGN NOTES:

1. Tower designs conform to ANSI/TIA/EIA-222-F for the basic wind speeds indicated without ice. Tower designs also conform to the ANSI/TIA/EIA-222-F Standard for 1/2 inch radial ice load occurring simultaneously with 75% of the no ice design wind pressures.
2. Antennas and mounts are assumed to be symmetrically mounted at or below the top of the tower for determining overall reactions and member forces. Design assumes the weight of antennas and mounts does not exceed 300 lbs.
3. Design assumes maximum top mast load is limited to 5 sq. ft. EPA and 100 lbs. vertical load. All other loading is assumed to be mounted below the top mast.
4. Tower designs assume a 1/2 inch transmission line for each 10 square feet of EPA up to a maximum of three lines, one line per tower face.
5. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.



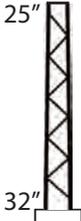
20' Towers



18"
25"

Wt. 290 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R020L102 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 70 |
| 75 [90] | 61 |
| 80 [95] | 53 |
| 90 [105] | 42 |
| 100 [115] | 33 |
| Base Options | |
| Short Base | RSB02 |
| Anchor Base | RAL02 |



25"
32"

Wt. 295 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R020M304 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 74 |
| 80 [95] | 65 |
| 90 [105] | 48 |
| 100 [115] | 35 |
| Base Options | |
| Short Base | RSB04 |
| Anchor Base | RAL04 |



32"
38"

Wt. 302 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R020M506 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 68 |
| 90 [105] | 50 |
| 100 [115] | 36 |
| Base Options | |
| Short Base | RSB06 |
| Anchor Base | RAL06 |



38"
45"

Wt. 399 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R020H708 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 80 |
| 90 [105] | 80 |
| 100 [115] | 65 |
| Base Options | |
| Short Base | RSB08 |
| Anchor Base | RAL08 |

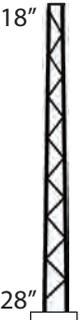


45"
52"

Wt. 477 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R020H910 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 80 |
| 90 [105] | 80 |
| 100 [115] | 68 |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |

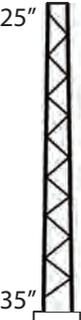
30' Towers



18"
28"

Wt. 437 lbs.

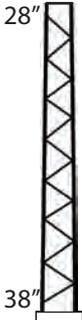
| | |
|----------------------------------|---------------------------------|
| Kit No.: | R030L103 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 70 |
| 75 [90] | 61 |
| 80 [95] | 53 |
| 90 [105] | 41 |
| 100 [115] | 30 |
| Base Options | |
| Short Base | RSB03 |
| Anchor Base | RAL03 |



25"
35"

Wt. 445 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R030M305 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 74 |
| 80 [95] | 65 |
| 90 [105] | 45 |
| 100 [115] | 29 |
| Base Options | |
| Short Base | RSB05 |
| Anchor Base | RAL05 |



28"
38"

Wt. 450 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R030M406 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 78 |
| 80 [95] | 64 |
| 90 [105] | 43 |
| 100 [115] | 28 |
| Base Options | |
| Short Base | RSB06 |
| Anchor Base | RAL06 |



35"
45"

Wt. 551 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R030H608 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 73 |
| 90 [105] | 55 |
| 100 [115] | 42 |
| Base Options | |
| Short Base | RSB08 |
| Anchor Base | RAL08 |

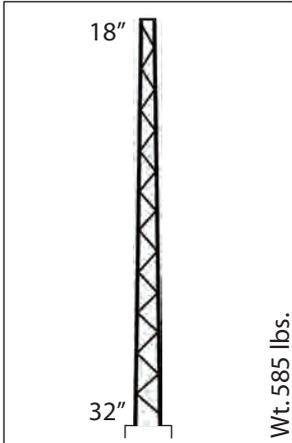


42"
52"

Wt. 687 lbs.

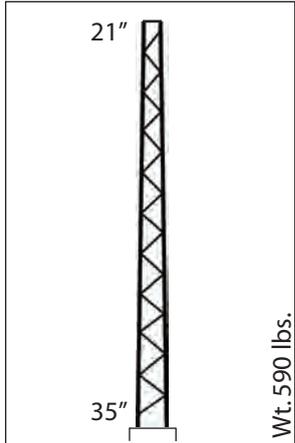
| | |
|----------------------------------|---------------------------------|
| Kit No.: | R030H810 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 80 |
| 90 [105] | 80 |
| 100 [115] | 60 |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |

40' Towers



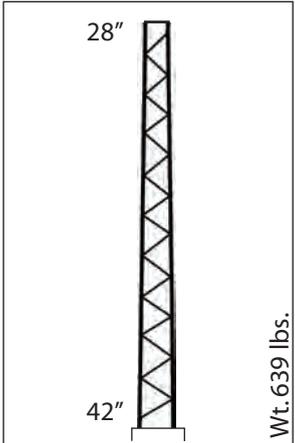
Wt. 585 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R040L104 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 54 |
| 75 [90] | 44 |
| 80 [95] | 36 |
| 90 [105] | 24 |
| 100 [115] | 15 |
| Base Options | |
| Short Base | RSB04 |
| Anchor Base | RAL04 |



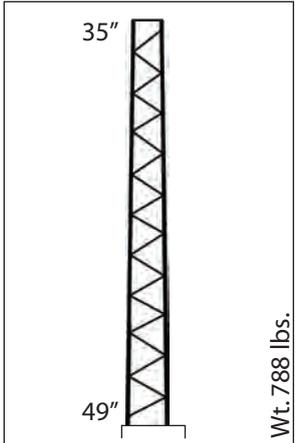
Wt. 590 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R040M205 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 63 |
| 75 [90] | 52 |
| 80 [95] | 43 |
| 90 [105] | 29 |
| 100 [115] | 19 |
| Base Options | |
| Short Base | RSB05 |
| Anchor Base | RAL05 |



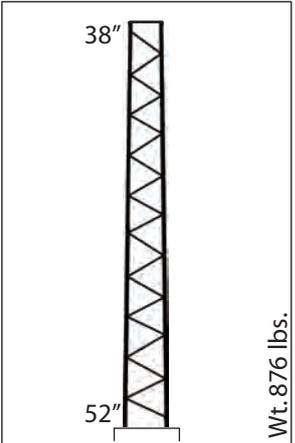
Wt. 639 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R040M407 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 75 |
| 80 [95] | 62 |
| 90 [105] | 40 |
| 100 [115] | 25 |
| Base Options | |
| Short Base | RSB07 |
| Anchor Base | RAL07 |



Wt. 788 lbs.

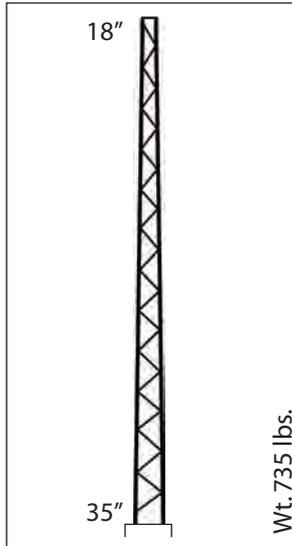
| | |
|----------------------------------|---------------------------------|
| Kit No.: | R040H609 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 69 |
| 90 [105] | 52 |
| 100 [115] | 40 |
| Base Options | |
| Short Base | RSB09 |
| Anchor Base | RAL09 |



Wt. 876 lbs.

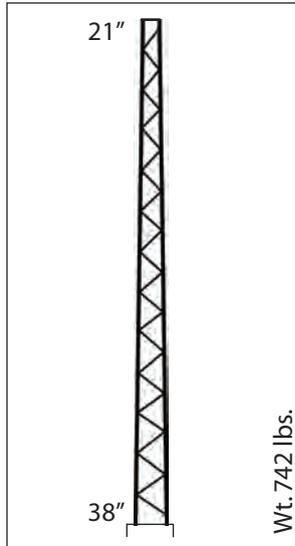
| | |
|----------------------------------|---------------------------------|
| Kit No.: | R040H710 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 80 |
| 80 [95] | 80 |
| 90 [105] | 75 |
| 100 [115] | 49 |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |

50' Towers



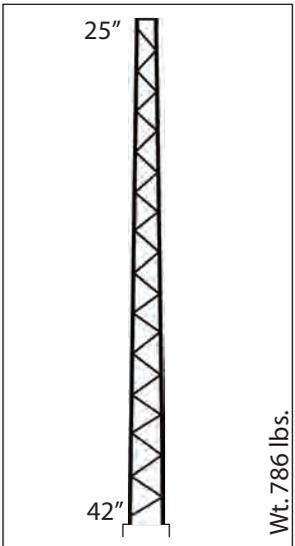
Wt. 735 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R050L105 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 37 |
| 75 [90] | 29 |
| 80 [95] | 22 |
| 90 [105] | 11 |
| 100 [115] | 4 |
| Base Options | |
| Short Base | RSB05 |
| Anchor Base | RAL05 |



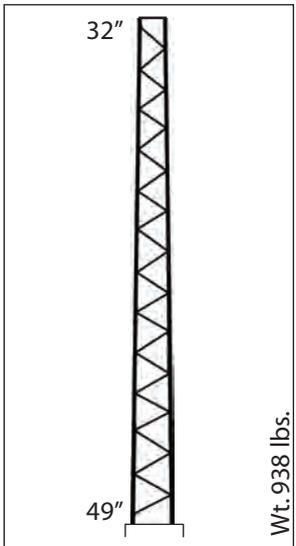
Wt. 742 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R050M206 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 43 |
| 75 [90] | 34 |
| 80 [95] | 26 |
| 90 [105] | 15 |
| 100 [115] | 6 |
| Base Options | |
| Short Base | RSB06 |
| Anchor Base | RAL06 |



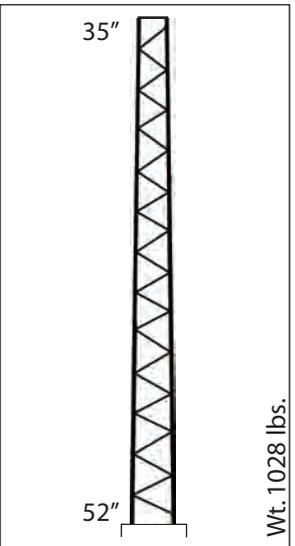
Wt. 786 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R050M307 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 67 |
| 75 [90] | 54 |
| 80 [95] | 44 |
| 90 [105] | 30 |
| 100 [115] | 16 |
| Base Options | |
| Short Base | RSB07 |
| Anchor Base | RAL07 |



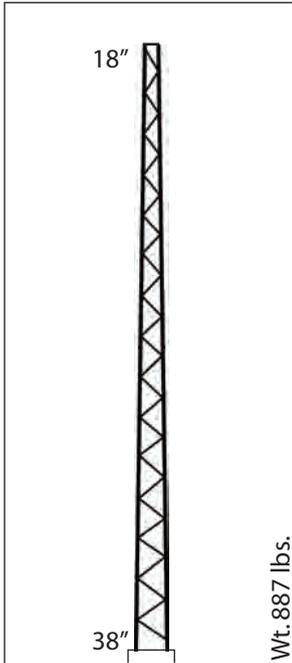
Wt. 938 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R050H509 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 73 |
| 80 [95] | 61 |
| 90 [105] | 42 |
| 100 [115] | 30 |
| Base Options | |
| Short Base | RSB09 |
| Anchor Base | RAL09 |



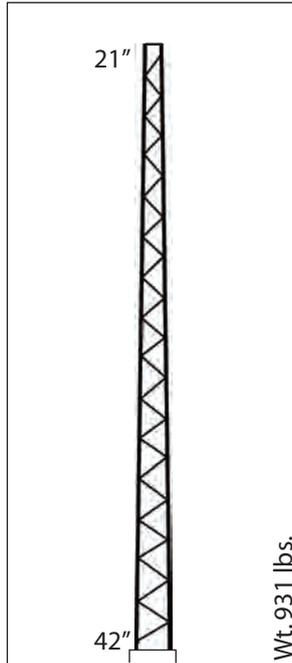
Wt. 1028 lbs.

| | |
|----------------------------------|---------------------------------|
| Kit No.: | R050H610 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 80 |
| 75 [90] | 76 |
| 80 [95] | 66 |
| 90 [105] | 49 |
| 100 [115] | 38 |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |



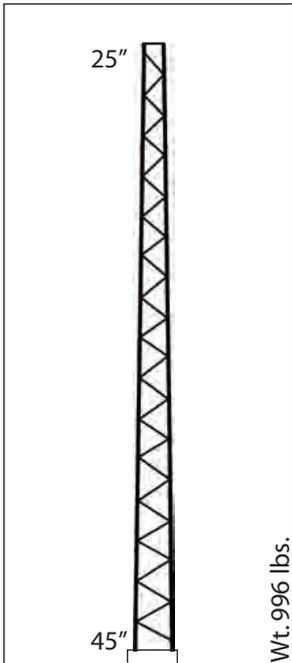
Wt. 887 lbs.

| Kit No.: | R060L106 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 23 |
| 75 [90] | 15 |
| 80 [95] | 9 |
| 90 [105] | 2 |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB06 |
| Anchor Base | RAL06 |



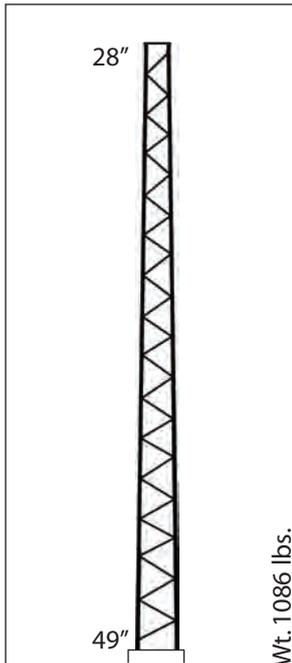
Wt. 931 lbs.

| Kit No.: | R060M207 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 40 |
| 75 [90] | 31 |
| 80 [95] | 24 |
| 90 [105] | 13 |
| 100 [115] | 3 |
| Base Options | |
| Short Base | RSB07 |
| Anchor Base | RAL07 |



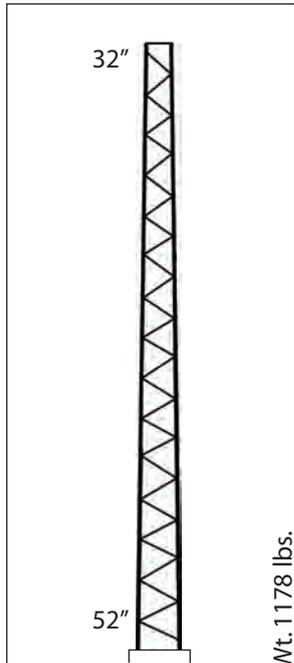
Wt. 996 lbs.

| Kit No.: | R060M308 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 60 |
| 75 [90] | 48 |
| 80 [95] | 38 |
| 90 [105] | 21 |
| 100 [115] | 11 |
| Base Options | |
| Short Base | RSB08 |
| Anchor Base | RAL08 |



Wt. 1086 lbs.

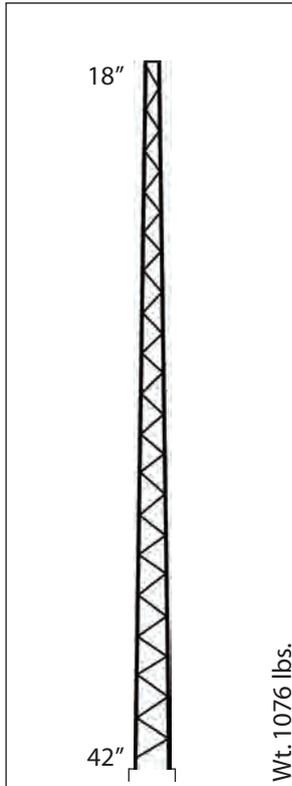
| Kit No.: | R060H409 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 78 |
| 75 [90] | 67 |
| 80 [95] | 54 |
| 90 [105] | 35 |
| 100 [110] | 21 |
| Base Options | |
| Short Base | RSB09 |
| Anchor Base | RAL09 |



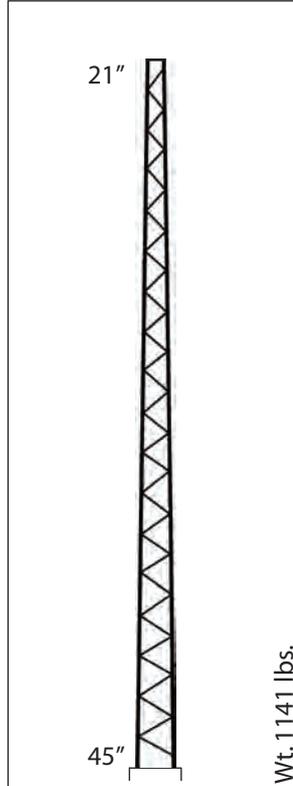
Wt. 1178 lbs.

| Kit No.: | R060H510 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 80 |
| 75 [90] | 68 |
| 80 [95] | 56 |
| 90 [105] | 40 |
| 100 [110] | 27 |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |

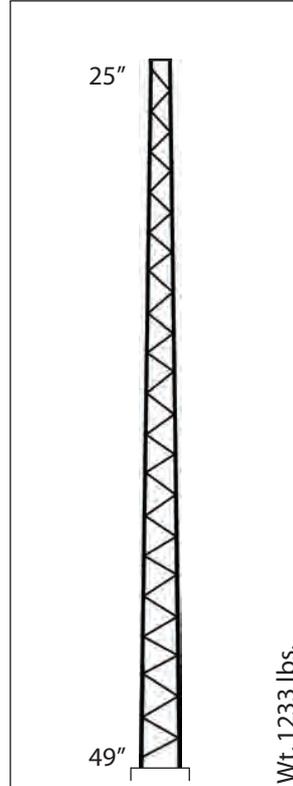
70' Towers



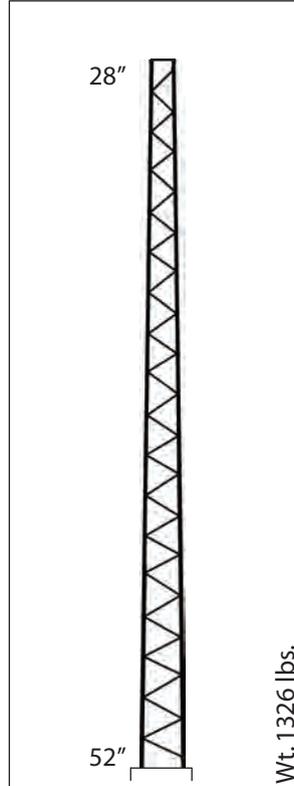
| Kit No.: | R070L107 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 23 |
| 75 [90] | 15 |
| 80 [95] | 9 |
| 90 [105] | - |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB06 |
| Anchor Base | RAL06 |



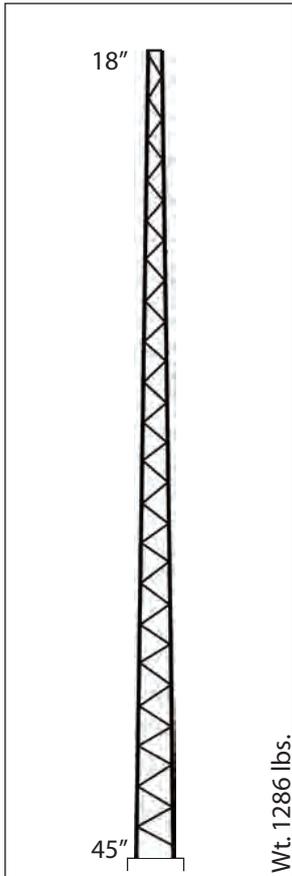
| Kit No.: | R070M208 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 38 |
| 75 [90] | 29 |
| 80 [95] | 21 |
| 90 [105] | 8 |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB08 |
| Anchor Base | RAL08 |



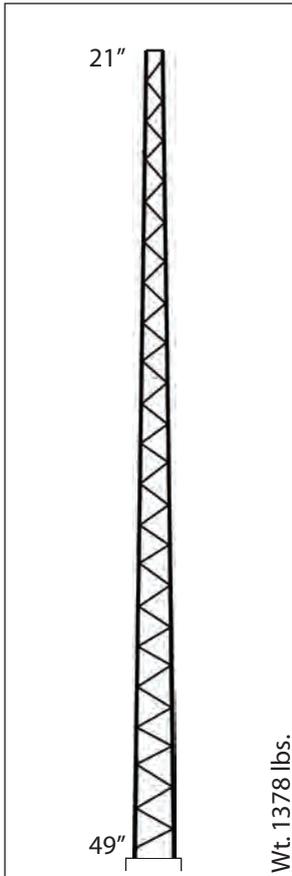
| Kit No.: | R070M309 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 58 |
| 75 [90] | 46 |
| 80 [95] | 36 |
| 90 [105] | 21 |
| 100 [115] | 11 |
| Base Options | |
| Short Base | RSB09 |
| Anchor Base | RAL09 |



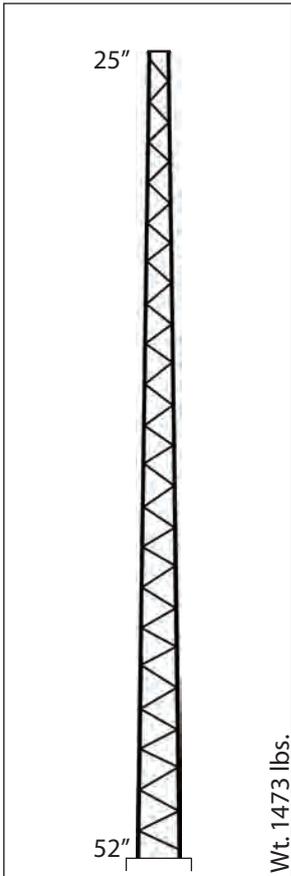
| Kit No.: | R070H410 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 74 |
| 75 [90] | 60 |
| 80 [95] | 48 |
| 90 [105] | 26 |
| 100 [115] | 13 |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |



Wt. 1286 lbs.



Wt. 1378 lbs.



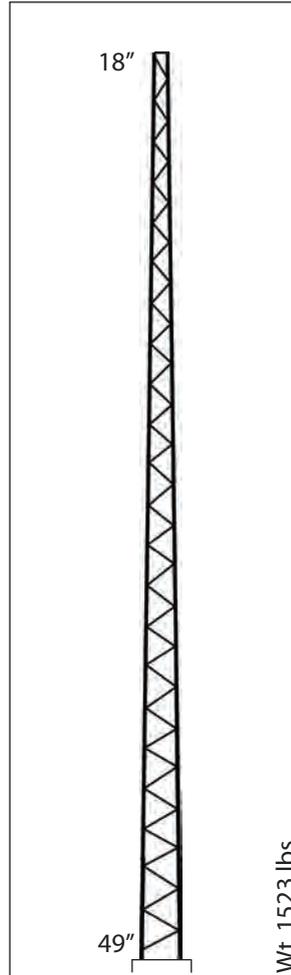
Wt. 1473 lbs.

80' Towers

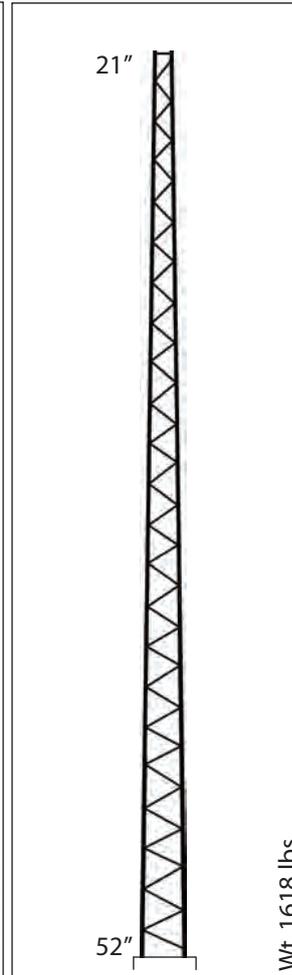
| Kit No.: | R080L108 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 21 |
| 75 [90] | 14 |
| 80 [95] | 7 |
| 90 [105] | - |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB08 |
| Anchor Base | RAL08 |

| Kit No.: | R080M209 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 36 |
| 75 [90] | 26 |
| 80 [95] | 19 |
| 90 [105] | 6 |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB09 |
| Anchor Base | RAL09 |

| Kit No.: | R080H310 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 52 |
| 75 [90] | 39 |
| 80 [95] | 26 |
| 90 [105] | 10 |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |



Wt. 1523 lbs.



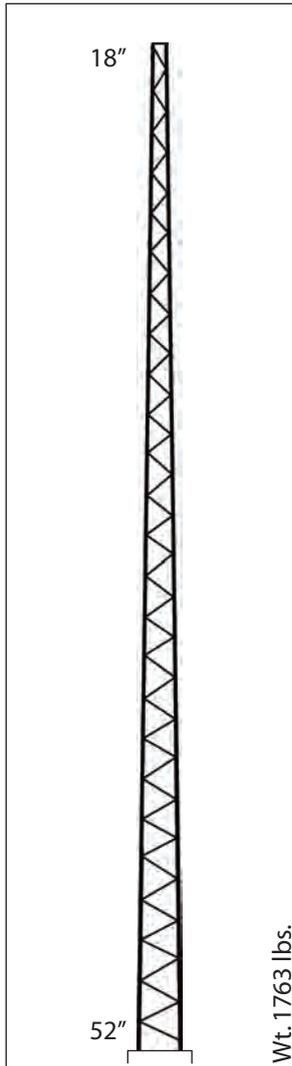
Wt. 1618 lbs.

90' Towers

| Kit No.: | R090L109 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 19 |
| 75 [90] | 12 |
| 80 [95] | 5 |
| 90 [105] | - |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB09 |
| Anchor Base | RAL09 |

| Kit No.: | R090H210 |
|---------------------------|----------------------------|
| Fastest Mile [3-sec Gust] | E.P.A. (ft. ²) |
| 70 [85] | 33 |
| 75 [90] | 23 |
| 80 [95] | 13 |
| 90 [105] | - |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |

100' Towers



| | |
|----------------------------------|---------------------------------|
| Kit No.: | R100S110 |
| Fastest Mile [3-sec Gust] | E.P.A. (ft.²) |
| 70 [85] | 17 |
| 75 [90] | 8 |
| 80 [95] | - |
| 90 [105] | - |
| 100 [115] | - |
| Base Options | |
| Short Base | RSB10 |
| Anchor Base | RAL10 |

Wt. 1763 lbs.

OPTIONAL ACCESSORIES

| | |
|--|--|
| <p>POST KIT MOUNTS TO TOP ANGLES PROVIDED WITH TOWER KIT. INCLUDES: POST, PLATE AND ATTACHMENT HARDWARE.</p> | <p>SIDE ARM S-300</p> |
| <p>DISH MOUNT DM-100</p> | <p>ANTI-CLIMB PANEL RAC01 RAC06 RAC02 RAC07 RAC03 RAC08 RAC04 RAC09 RAC05 RAC10</p> |
| <p>TOP PLATE KIT RTP01 RTP02 RTP03 RTP04 RTP05 MOUNTS TO TOP ANGLES PROVIDED WITH TOWER KIT. HOLE PATTERN FITS TB3 (2" O.D.) AND TB4 (3" O.D.) THRUST BEARINGS.</p> | <p>ACCESSORY SHELF RASK01 RASK02 RASK03 RASK04 RASK05 MOUNTS TO TOWER LEGS. KIT INCLUDES PLATE AND ATTACHMENT HARDWARE.</p> |

Optional accessories continued on next page.

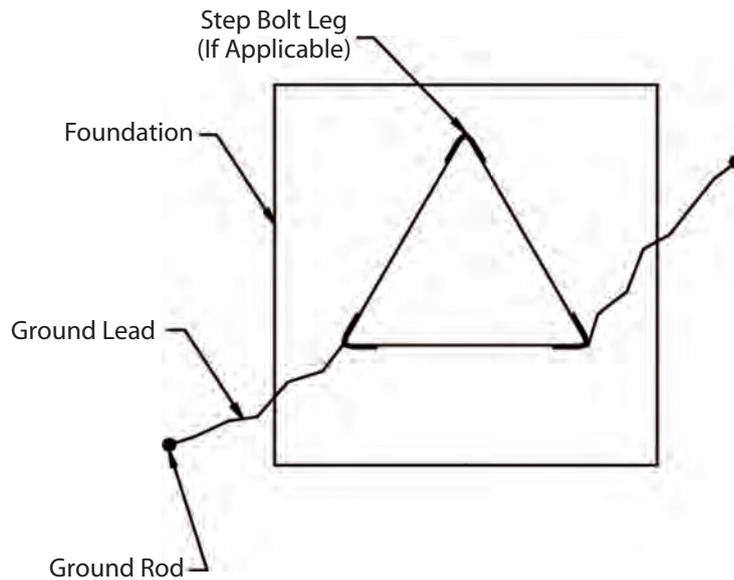
Grounding Kit shown on page 184.



OPTIONAL ACCESSORIES

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---------------------|--------------------|-----------|-----------------|------------|-----------------|--|---------------------|--------------------|-----|---------------|-----|---------------|-----|---------------|-----|---------------|-----|---------------|-----|---------------|-----|----------------|-----|---------------|------|----------------|
|  <p>CLIMBING HARNESS TTFBH-4D JOURNEYMAN HARNESS TTFBH-C/P PROFESSIONAL HARNESS</p> |  <p>SAFETY CABLE SLIDER WITH CARABINEER TT-WG-500-W/SMC</p> | <p>SAFETY CABLE SYSTEMS</p> <table border="0"> <tr> <td>Tower Height</td> <td>Part Number</td> </tr> <tr> <td>20' - 50'</td> <td>RSL050TT</td> </tr> <tr> <td>60' - 100'</td> <td>RSL100TT</td> </tr> </table> | Tower Height | Part Number | 20' - 50' | RSL050TT | 60' - 100' | RSL100TT | <p>STEP BOLT KIT (5/8" X 7")</p> <table border="0"> <tr> <td>TOWER HEIGHT</td> <td>PART NUMBER</td> </tr> <tr> <td>20'</td> <td>RLSB20</td> </tr> <tr> <td>30'</td> <td>RLSB30</td> </tr> <tr> <td>40'</td> <td>RLSB40</td> </tr> <tr> <td>50'</td> <td>RLSB50</td> </tr> <tr> <td>60'</td> <td>RLSB60</td> </tr> <tr> <td>70'</td> <td>RLSB70</td> </tr> <tr> <td>80'</td> <td>RSLST80</td> </tr> <tr> <td>90'</td> <td>RLSB90</td> </tr> <tr> <td>100'</td> <td>RLSB100</td> </tr> </table> | TOWER HEIGHT | PART NUMBER | 20' | RLSB20 | 30' | RLSB30 | 40' | RLSB40 | 50' | RLSB50 | 60' | RLSB60 | 70' | RLSB70 | 80' | RSLST80 | 90' | RLSB90 | 100' | RLSB100 |
| Tower Height | Part Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' - 50' | RSL050TT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60' - 100' | RSL100TT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOWER HEIGHT | PART NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20' | RLSB20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30' | RLSB30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40' | RLSB40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50' | RLSB50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60' | RLSB60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70' | RLSB70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80' | RSLST80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90' | RLSB90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100' | RLSB100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RSL BASE KIT INFORMATION

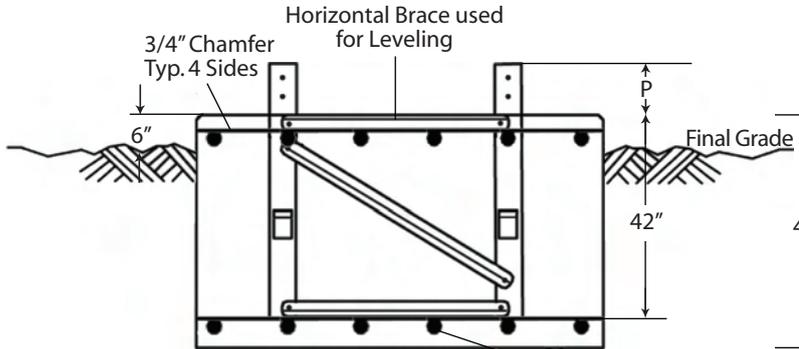


*Optional Rev F Grounding Kit.
Fits all RSL Sections.*

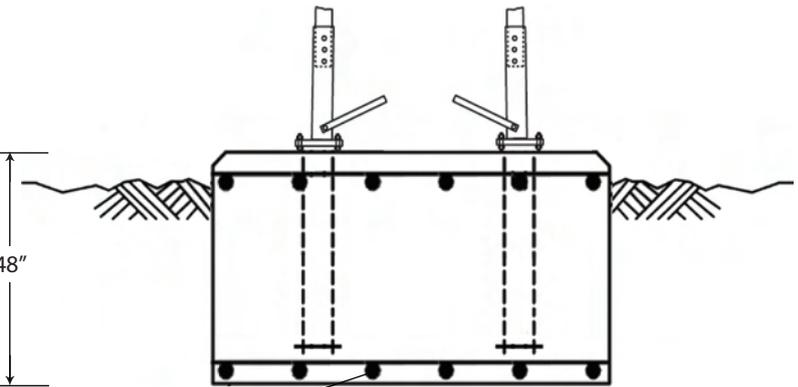
GROUNDING ATTACHMENT
RGKF

RSL FOUNDATION INFORMATION

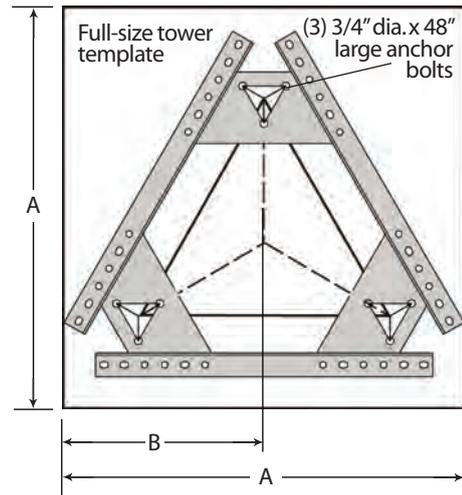
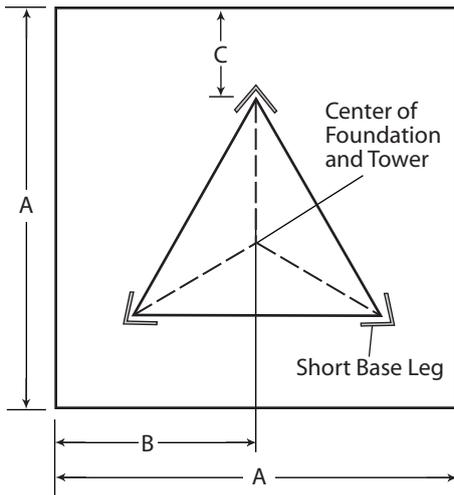
RSL SHORT BASE



ANCHOR BASE



Horizontal #7 bars equally spaced @ 12" c/c each way top & bottom.



Anchor base option includes: full-size template, anchor bolt lower template, anchor bolts and leg stubs.

SHORT BASE (Ordered separately from tower)

| Short Base Section |
|--------------------|
| RSB02 |
| RSB03 |
| RSB04 |
| RSB05 |
| RSB06 |
| RSB07 |
| RSB08 |
| RSB09 |
| RSB10 |

STANDARD FOUNDATION INFORMATION (Used with short base and anchor base options)

| Dimensions (in.) | | | | Concrete (Cu. Yds) | No. 7 Bars Req. |
|------------------|----|----|-------|--------------------|-----------------|
| A | B | C | P | | |
| 84 | 42 | 28 | 10.50 | 7.3 | 32 |
| 90 | 45 | 29 | 12.50 | 8.3 | 32 |
| 90 | 45 | 27 | 11.25 | 8.3 | 32 |
| 96 | 48 | 28 | 11.50 | 9.5 | 36 |
| 96 | 48 | 26 | 12.00 | 9.5 | 36 |
| 108 | 54 | 30 | 13.00 | 12.0 | 40 |
| 114 | 57 | 31 | 12.75 | 13.4 | 40 |
| 120 | 60 | 32 | 13.50 | 14.8 | 44 |
| 126 | 63 | 33 | 12.75 | 16.3 | 44 |

ANCHOR BASE (Ordered separately from tower)

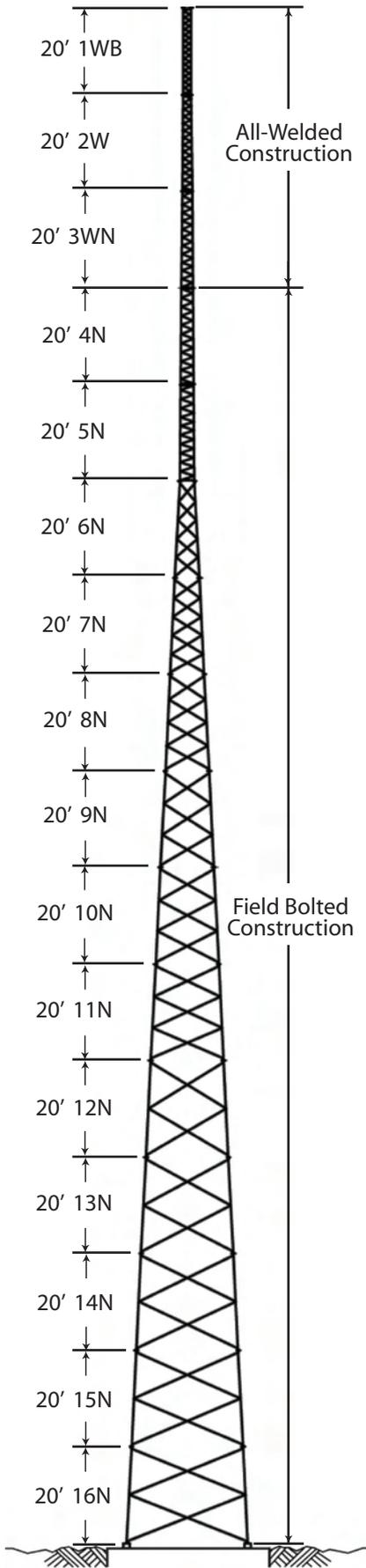
| Leg Stubs & Anchors |
|---------------------|
| RAL02 |
| RAL03 |
| RAL04 |
| RAL05 |
| RAL06 |
| RAL07 |
| RAL08 |
| RAL09 |
| RAL10 |

See RSL tower kit for appropriate short base or anchor bolt section part numbers. Standard foundations illustrated are for general information purposes only. Actual details are provided with tower assembly drawings.



SSV SELF-SUPPORTING TOWERS

SSV STANDARD



GENERAL USE

The ROHN SSV tower has been in service for over 50 years. The design utilizes standard parts arranged to create a unique structure. The legs are tubular with angle braces at the bottom and solid legs and braces in the top sections. This tower is used in a variety of applications, from PCS structures and broadband to security, sports lighting and more. The SSV has proven to be one of the industry's most efficient and preferred structures. All ROHN towers are hot-dip galvanized, inside and out for corrosion protection.

| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|--------------|
| | Upper | Lower |
| 1WB | 1' - 2" | 1' - 2" |
| 2W | 1' - 2" | 1' - 6" |
| 3WN | 1' - 6" | 1' - 10" |
| 4N | 1' - 10" | 2' - 2" |
| 5N | 2' - 2" | 2' - 6" |
| 6N | 2' - 6" | 4' - 6 1/4" |
| 7N | 4' - 6 1/4" | 6' - 6 3/4" |
| 8N | 6' - 6 3/4" | 8' - 6 3/4" |
| 9N | 8' - 6 3/4" | 10' - 6 3/4" |
| 10N | 10' - 6 3/4" | 12' - 7 1/4" |
| 11N | 12' - 7 1/4" | 14' - 7 7/8" |
| 12N | 14' - 7 7/8" | 16' - 8 3/8" |
| 13N | 16' - 8 3/8" | 18' - 8 3/8" |
| 14N | 18' - 8 3/8" | 20' - 9 3/8" |
| 15N | 20' - 9 3/8" | 22' - 9 3/8" |
| 16N | 22' - 9 3/8" | 24' - 9 3/8" |

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

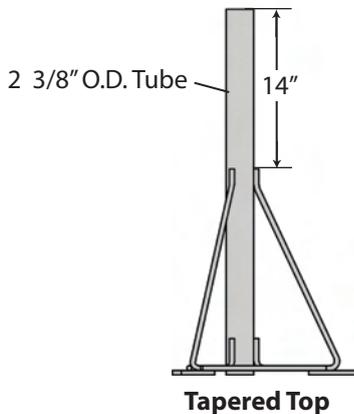
SELF-SUPPORTING STANDARD TOWERS

40' - 190'
70 MPH REV F. [NO ICE]

| Tower Height (ft.) | Tower Assembly Number | Tower Weight (lbs.) | Allowable Projected Area | | Top Section | Base Section | | |
|--------------------|-----------------------|---------------------|--------------------------|------------------------------|-------------|----------------|----------------|-------------------|
| | | | Tower Top Rounds (Flats) | 30' Below Top Rounds (Flats) | | Section Number | Short Base P/N | A-Bolts (12 Req.) |
| 40 | SS040D70 | 495 | 16.7 (10) | 20 (12) | 2W | 3WN | SB3 | - |
| 50 | SS050D70 | 564 | 15 (9) | 18.3 (11) | 1WB | 3WN | SB3 | - |
| 60 | SS060D70 | 1012 | 15 (9) | 18.3 (11) | 2W | 4N | SB4 | - |
| 70 | SS070D70 | 1077 | 13.3 (8) | 16.7 (10) | 1WB | 4N | SB4 | - |
| 80 | SS080D70 | 1441 | 13.8 (8) | 16.7 (10) | 2W | 5N | SB5 | - |
| 90 | SS090D70 | 1505 | 11.7 (7) | 15 (9) | 1WB | 5N | SB5 | - |
| 100 | SS100D70 | 1863 | 11.7 (7) | 15 (9) | 2W | 6N | - | 5/8X42 |
| 110 | SS110D70 | 1927 | 10 (6) | 14.2 (8.5) | 1WB | 6N | - | 5/8X42 |
| 120 | SS120D70 | 2449 | 10 (6) | 14.2 (8.5) | 2W | 7N | - | 5/8X42 |
| 130 | SS130D70 | 2513 | 9.2 (5.5) | 13.3 (8) | 1WB | 7N | - | 5/8X42 |
| 140 | SS140D70 | 3173 | 9.2 (5.5) | 13.3 (8) | 2W | 8N | - | 5/8X42 |
| 150 | SS150D70 | 3248 | 8.3 (5) | 12.5 (7.5) | 1WB | 8N | - | 5/8X42 |
| 160 | SS160D70 | 3952 | 8.3 (5) | 12.5 (7.5) | 2W | 9N | - | 5/8X42 |
| 170 | SS170D70 | 4017 | 7.5 (4.5) | 12.5 (7.5) | 1WB | 9N | - | 5/8X42 |
| 180 | SS180D70 | 4816 | 7.5 (4.5) | 12.5 (7.5) | 2W | 10N | - | 3/4X48 |
| 190 | SS190D70 | 4880 | 6.7 (4) | 11.7 (7) | 1WB | 10N | - | 3/4X48 |

General Notes:

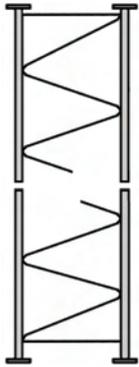
1. Standard tower designs are in accordance with approved national standard ANSI/EIA-222-F (no ice).
2. Equivalent flat-plate antenna areas based on EIA RS-222-C, must not exceed the areas shown for flat members.
3. Tower designs assume allowable projected areas are symmetrically placed on the tower.
4. Designs assume one 7/8 line to top and two 7/8 lines to 30 feet below top, one line on each face.
5. All towers are provided with a tapered top.
6. A Rev F grounding kit is provided with each tower.
7. Assembly drawings and standard foundation details are supplied with the tower.
8. Custom designs for site-specific applications are available upon request.



| Assy. P/N | Tower Section No. |
|-----------|-------------------------|
| 1TT | 1W, 1WB, 2W |
| 3TT | 2WST, 2WB, 3WN |
| 4TTN | 3WNST, 3WNB, 4N |
| 5TTN | 4NST, 4NA, 4WB, 4NC, 5N |
| 6TT | 5NST, 5NA, 5NB, 5NC, 6C |

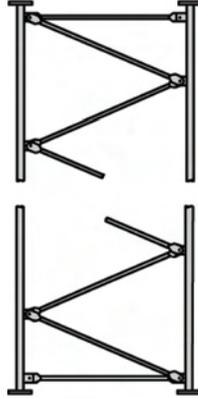


SELF-SUPPORTING STANDARD SECTIONS



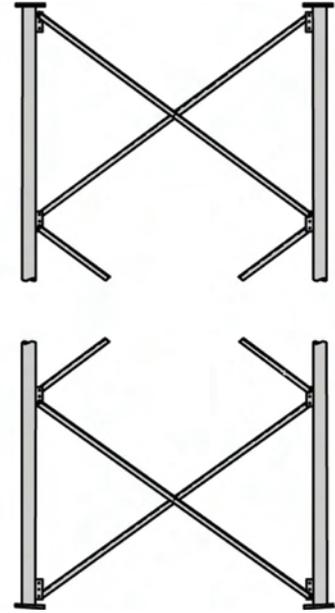
Bracing Detail for Sections 1W - 3WN
Solid Round Legs & Solid Round Braces

Straight and Tapered Sections available.

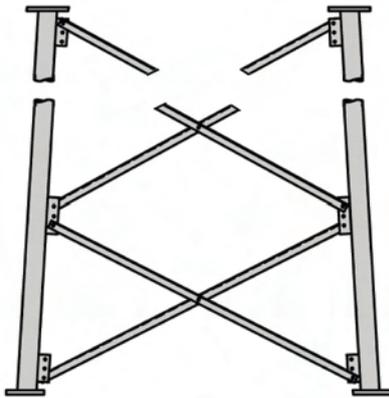


Bracing Detail for Sections 4N & 5N
Solid Round Legs & Solid Round Braces

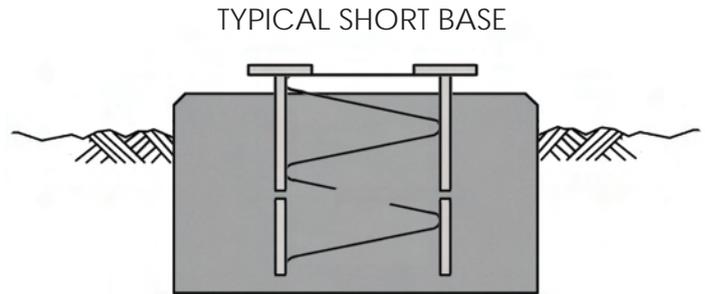
Straight and Tapered Sections available.



Bracing Detail for Straight Sections 6N - 11N
Tubular Legs & Angle Braces



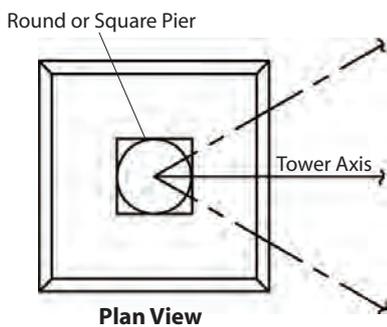
Bracing Detail for Tapered Sections 6N - 16N
Tubular Legs & Angle Braces



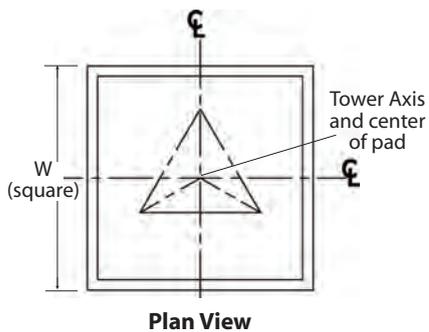
Part No: SB2, SB3, SB4 & SB5
Installed when 2N - 5N sections are used as tower base.

Anchor bolt configurations are provided with larger towers.

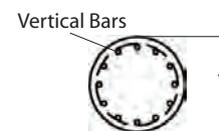
SELF-SUPPORTING STANDARD FOUNDATIONS



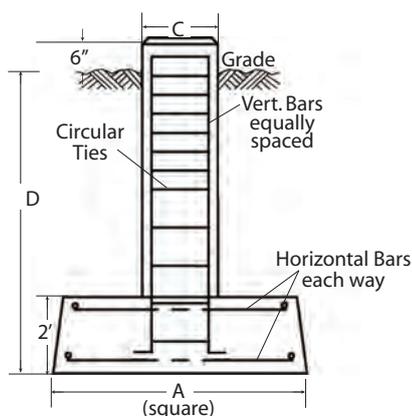
Plan View



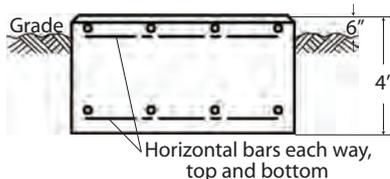
Plan View



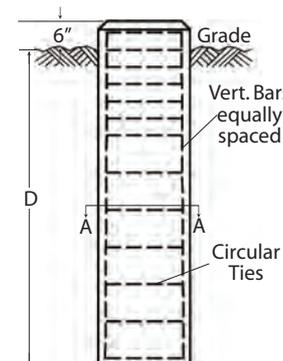
Section A-A



Pier & Pad Elevation View



Mat Elevation View



Drilled Pier Elevation View

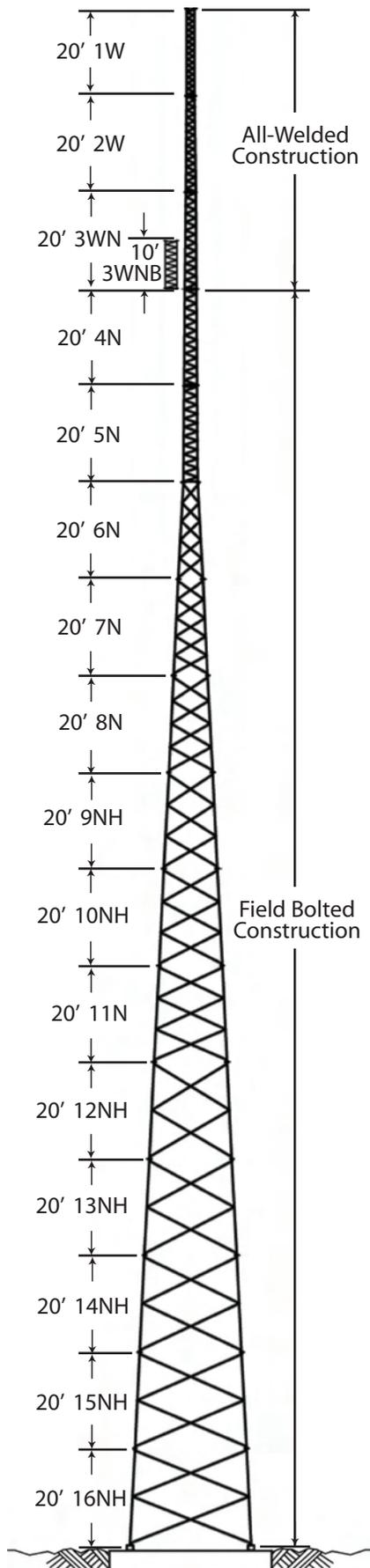
| Tower Base Sect. No. | Pier & Pad | | | | | Mat | | Drilled Pier | | |
|----------------------|------------|-------|-------|------------------------------|--------|--------|-----------------------|--------------|-------|-----------------------|
| | Dimensions | | | Req'd Conc. (cu.yds. 3 fdns) | | W | Req'd Conc. (cu.yds.) | D | Y | Req'd Conc. (cu.yds.) |
| | D | A | C | Round | Square | | | | | |
| 1W | - | - | - | - | - | 4'-0" | 2.4 | - | - | - |
| 2W | - | - | - | - | - | 5'-6" | 4.5 | - | - | - |
| 3WN | - | - | - | - | - | 6'-9" | 6.8 | - | - | - |
| 4N | - | - | - | - | - | 8'-0" | 9.5 | - | - | - |
| 5N | - | - | - | - | - | 8'-9" | 11.3 | - | - | - |
| 6N | - | - | - | - | - | 10'-3" | 15.6 | - | - | - |
| 7N | 8'-0" | 4'-6" | 2'-0" | 6.3 | 6.9 | 11'-6" | 19.6 | - | - | - |
| 8N | 8'-9" | 5'-6" | 2'-0" | 8.7 | 9.4 | 14'-3" | 30.1 | 18'-6" | 2'-6" | 10.4 |
| 9N | 8'-9" | 5'-6" | 2'-0" | 8.7 | 9.4 | 16'-0" | 37.9 | 16'-0" | 2'-6" | 9.0 |
| 10N | 8'-9" | 5'-6" | 2'-0" | 8.7 | 9.4 | 18'-3" | 49.3 | 16'-0" | 2'-6" | 9.0 |
| 11N | 10'-0" | 5'-6" | 2'-6" | 10.8 | 12.0 | - | - | 21'-9" | 2'-6" | 12.2 |
| 12N | 10'-0" | 5'-6" | 2'-6" | 10.8 | 12.0 | - | - | 21'-6" | 2'-6" | 12.0 |
| 13N | 11'-0" | 5'-6" | 2'-6" | 11.3 | 12.7 | - | - | 22'-0" | 3'-0" | 17.7 |
| 14N | 11'-0" | 5'-6" | 2'-6" | 11.3 | 12.7 | - | - | 22'-0" | 3'-0" | 17.7 |
| 15N | 12'-6" | 6'-6" | 3'-0" | 17.3 | 19.7 | - | - | 27'-6" | 3'-6" | 30.0 |
| 16N | 12'-6" | 6'-6" | 3'-0" | 17.3 | 19.7 | - | - | 27'-6" | 3'-6" | 30.0 |

Standard foundations illustrated are for general information purposes only and are based on Rev F soil parameters. Foundation installation details are provided with tower assembly drawings.



SSV HD SELF-SUPPORTING TOWERS

SSV HEAVY DUTY



GENERAL USE

The ROHN SSV HD tower has the same features and utility as the SSV tower, but with Heavy Duty legs and braces. The heavy duty tower allows for the structure to support more loading and higher wind and ice loading. This tower serves the same applications as the SSV including: PCS, broadband, security, sports lighting and many others. The SSV HD also has standard “pre-engineered” towers created from standard sections. All ROHN SSV towers are hot-dip galvanized, inside and out for corrosion protection.

| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|--------------|
| | Upper | Lower |
| 1W | 1' - 2" | 1' - 2" |
| 2W | 1' - 2" | 1' - 6" |
| 3WN | 1' - 6" | 1' - 10" |
| 3WNB | 1' - 10" | 1' - 10" |
| 4N | 1' - 10" | 2' - 2" |
| 5N | 2' - 2" | 2' - 6" |
| 6N | 2' - 6" | 4' - 6 1/4" |
| 7N | 4' - 6 1/4" | 6' - 6 3/4" |
| 8N | 6' - 6 3/4" | 8' - 6 3/4" |
| 9NH | 8' - 6 3/4" | 10' - 6 3/4" |
| 10NH | 10' - 6 3/4" | 12' - 7 1/4" |
| 11N | 12' - 7 1/4" | 14' - 7 7/8" |
| 12NH | 14' - 7 7/8" | 16' - 8 3/8" |
| 13NH | 16' - 8 3/8" | 18' - 8 3/8" |
| 14NH | 18' - 8 3/8" | 20' - 9 3/8" |
| 15NH | 20' - 9 3/8" | 22' - 9 3/8" |
| 16NH | 22' - 9 3/8" | 24' - 9 3/8" |

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.



SELF-SUPPORTING HEAVY DUTY STANDARD TOWERS

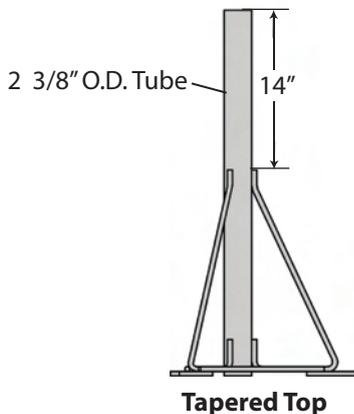
40' - 190'

90 MPH REV. F [NO ICE]

| Tower Height (ft.) | Tower Assembly Number | Tower Weight (lbs.) | Allowable Projected Area | | Top Section | Base Section | | |
|--------------------|-----------------------|---------------------|--------------------------|------------------------------|-------------|----------------|----------------|-------------------|
| | | | Tower Top Rounds (Flats) | 30' Below Top Rounds (Flats) | | Section Number | Short Base P/N | A-Bolts (12 Req.) |
| 40 | SS040D90 | 853 | 16.7 (10) | 20 (12) | 3WN | 4N | SB4 | SB4 |
| 50 | SS050D90 | 1198 | 16.7 (10) | 20 (12) | 3WNB | 5N | SB5 | SB5 |
| 60 | SS060D90 | 1282 | 14.2 (8.5) | 17.5 (10.5) | 3WN | 5N | SB5 | SB5 |
| 70 | SS070D90 | 1620 | 14.2 (8.5) | 17.5 (10.5) | 3WNB | 6N | - | 5/8X42AB |
| 80 | SS080D90 | 1704 | 12.5 (7.5) | 15.8 (9.5) | 3WN | 6N | - | 5/8X42AB |
| 90 | SS090D90 | 2206 | 12.5 (7.5) | 15.8 (9.5) | 3WNB | 7N | - | 5/8X42AB |
| 100 | SS100D90 | 2290 | 10 (6) | 13.3 (8) | 3WN | 7N | - | 5/8X42AB |
| 110 | SS110D90 | 2941 | 10 (6) | 13.3 (8) | 3WNB | 8N | - | 5/8X42AB |
| 120 | SS120D90 | 3025 | 8.3 (5) | 11.7 (7) | 3WN | 8N | - | 5/8X42AB |
| 130 | SS130D90 | 3829 | 8.3 (5) | 11.7 (7) | 3WNB | 9NH | - | 5/8X42AB |
| 140 | SS140D90 | 3913 | 6.7 (4) | 10 (6) | 3WN | 9NH | - | 5/8X42AB |
| 150 | SS150D90 | 4810 | 6.7 (4) | 10 (6) | 3WNB | 10NH | - | 3/4X48AB |
| 160 | SS160D90 | 4894 | 5.8 (3.5) | 8.3 (5) | 3WN | 10NH | - | 3/4X48AB |
| 170 | SS170D90 | 5712 | 5.8 (3.5) | 8.3 (5) | 3WNB | 11N | - | 7/8X60AB |
| 180 | SS180D90 | 5796 | 5 (3) | 7.5 (4.5) | 3WN | 11N | - | 7/8X60AB |
| 190 | SS190D90 | 8045 | 5 (3) | 7.5 (4.5) | 3WNB | 12NH | - | 7/8X60AB |

General Notes:

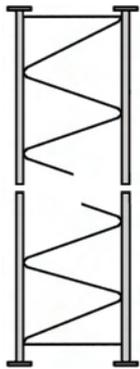
1. Standard tower designs are in accordance with approved national standard ANSI/EIA-222-F (no ice).
2. Equivalent flat-plate antenna areas based on EIA RS-222-C, must not exceed the areas shown for flat members.
3. Tower designs assume allowable projected areas are symmetrically placed on the tower.
4. Designs assume one 7/8 line to top and two 7/8 lines to 30 feet below top, one line on each face.
5. All towers are provided with a tapered top.
6. A Rev F grounding kit is provided with each tower.
7. Assembly drawings and standard foundation details are supplied with the tower.
8. Custom designs for site-specific applications are available upon request.



| Assy.P/N | Tower Section No. |
|----------|-------------------------|
| 1TT | 1W, 1WB, 2W |
| 3TT | 2WST, 2WB, 3WN |
| 4TTN | 3WNST, 3WNB, 4N |
| 5TTN | 4NST, 4NA, 4WB, 4NC, 5N |
| 6TT | 5NST, 5NA, 5NB, 5NC, 6C |

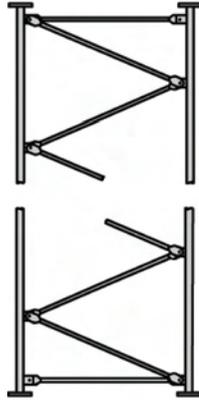


SELF-SUPPORTING HEAVY DUTY SECTIONS



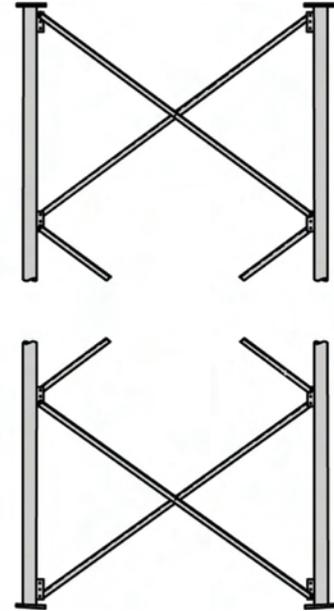
Bracing Detail for Sections 1W - 3WN
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*

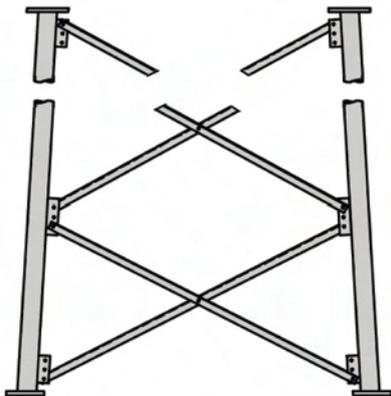


Bracing Detail for Sections 4N & 5N
Solid Round Legs & Solid Round Braces

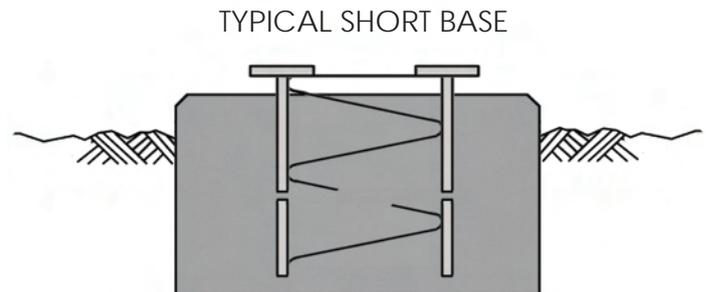
*Straight and Tapered Sections
available.*



Bracing Detail for Straight Sections 6N - 11N
Tubular Legs & Angle Braces



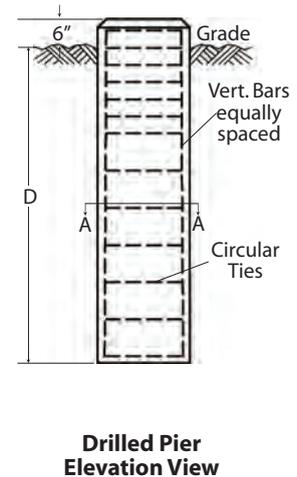
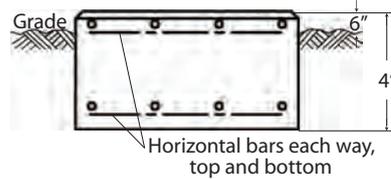
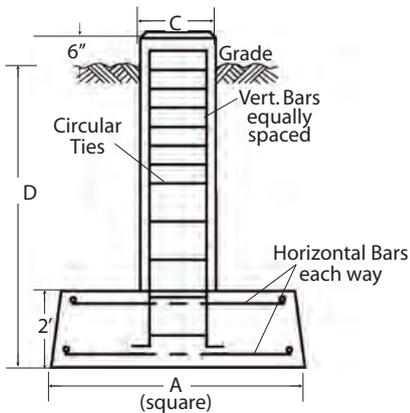
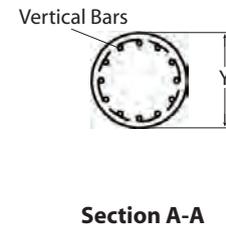
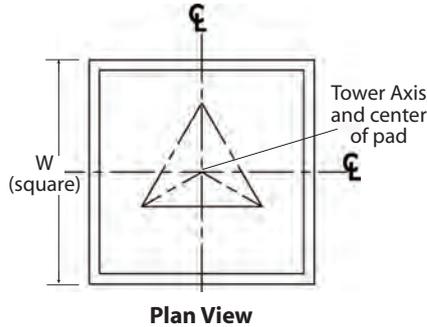
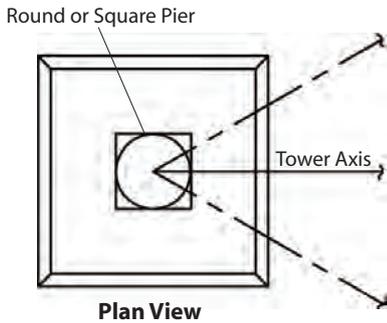
Bracing Detail for Tapered Sections 6N - 16NH
Tubular Legs & Angle Braces



Part No: SB2, SB3, SB4 & SB5
*Installed when 2N - 5N sections are
used as tower base.*

Anchor bolt configurations are provided with larger towers.

SELF-SUPPORTING HEAVY DUTY STANDARD FOUNDATIONS

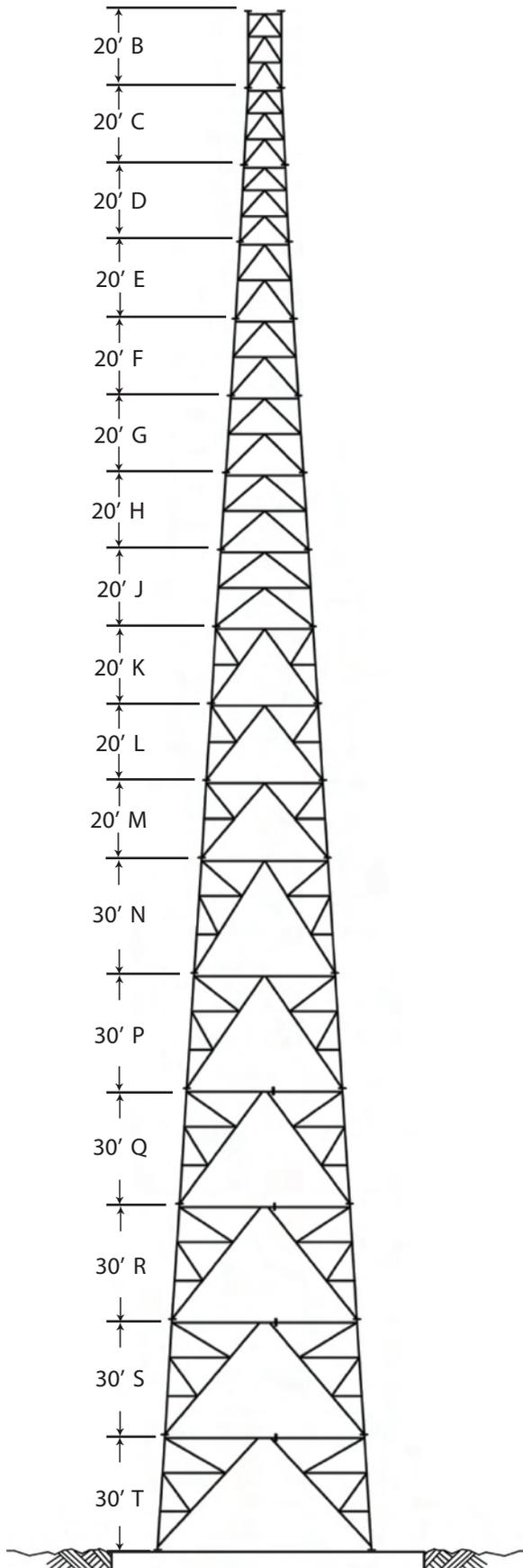


| Tower Base Sect. No. | Pier & Pad | | | | | Mat | | Drilled Pier | | |
|----------------------|------------|---------|---------|------------------------------|--------|----------|-----------------------|--------------|---------|-----------------------|
| | Dimensions | | | Req'd Conc. (cu.yds. 3 fdns) | | W | Req'd Conc. (cu.yds.) | D | Y | Req'd Conc. (cu.yds.) |
| | D | A | C | Round | Square | | | | | |
| 1W | - | - | - | - | - | 4' - 0" | 2.4 | - | - | - |
| 2W | - | - | - | - | - | 5' - 6" | 4.5 | - | - | - |
| 3WN | - | - | - | - | - | 6' - 9" | 6.8 | - | - | - |
| 4N | - | - | - | - | - | 8' - 0" | 9.5 | - | - | - |
| 5N | - | - | - | - | - | 8' - 9" | 11.3 | - | - | - |
| 6N | - | - | - | - | - | 10' - 3" | 15.6 | - | - | - |
| 7N | 8' - 0" | 4' - 6" | 2' - 0" | 6.3 | 6.9 | 11' - 6" | 19.6 | - | - | - |
| 8N | 8' - 9" | 5' - 6" | 2' - 0" | 8.7 | 9.4 | 14' - 3" | 30.1 | 18' - 6" | 2' - 6" | 10.4 |
| 9NH | 9' - 0" | 5' - 6" | 2' - 0" | 8.8 | 9.5 | 16' - 0" | 37.9 | 19' - 6" | 2' - 6" | 10.9 |
| 10NH | 9' - 0" | 5' - 6" | 2' - 0" | 8.8 | 9.5 | 18' - 3" | 49.3 | 19' - 6" | 2' - 6" | 10.9 |
| 11N | 10' - 0" | 5' - 6" | 2' - 6" | 10.8 | 12.0 | - | - | 21' - 9" | 2' - 6" | 12.2 |
| 12NH | 11' - 0" | 5' - 6" | 2' - 6" | 11.3 | 12.7 | - | - | 22' - 9" | 3' - 0" | 18.3 |
| 13NH | 12' - 0" | 6' - 3" | 3' - 0" | 16.3 | 18.5 | - | - | 25' - 0" | 3' - 6" | 27.3 |
| 14NH | 12' - 0" | 6' - 3" | 3' - 0" | 16.3 | 18.5 | - | - | 25' - 0" | 3' - 6" | 27.3 |
| 15NH | 13' - 0" | 7' - 3" | 3' - 0" | 19.9 | 22.4 | - | - | 30' - 0" | 4' - 0" | 42.6 |
| 16NH | 13' - 0" | 7' - 3" | 3' - 0" | 19.9 | 22.4 | - | - | 30' - 0" | 4' - 0" | 42.6 |

Standard foundations illustrated are for general information purposes only and are based on Rev F soil parameters. Foundation installation details are provided with tower assembly drawings.

SSMW SELF-SUPPORTING TOWERS

SSMW



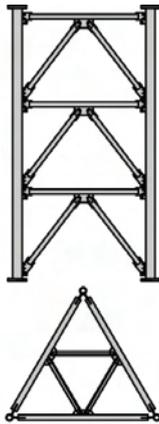
GENERAL USE

The ROHN SSMW tower is a unique design using a K-Brace system with horizontal plan bracing to allow free standing towers to reach heights to 900'. The SSMW is designed with pipe legs and pipe braces with flanges at each end for connection. The SSMW tower design can be used in conjunction with the SSV tower. All SSMW towers are hot-dip galvanized, inside and out for corrosion protection.

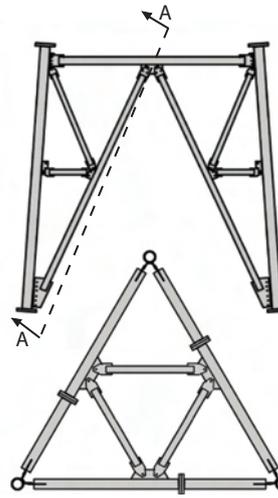
| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|---------------|
| | Upper | Lower |
| B | 8' - 6 1/2" | 8' - 6 1/2" |
| C | 8' - 6 1/2" | 10' - 7" |
| D | 10' - 7" | 12' - 7 1/2" |
| E | 12' - 7 1/2" | 14' - 11 1/2" |
| F | 14' - 11 1/2" | 17' - 5 1/2" |
| G | 17' - 5 1/2" | 19' - 11 1/2" |
| H | 19' - 11 1/2" | 22' - 6 1/2" |
| J | 22' - 6 1/2" | 25' - 0 1/2" |
| K | 25' - 0 1/2" | 27' - 6 1/2" |
| L | 27' - 6 1/2" | 30' - 0 1/2" |
| M | 30' - 0 1/2" | 32' - 6 1/2" |
| N | 32' - 6 1/2" | 36' - 3 1/2" |
| P | 36' - 3 1/2" | 40' - 2 1/8" |
| Q | 40' - 2 1/8" | 43' - 11 1/8" |
| R | 43' - 11 1/8" | 47' - 8 1/8" |
| S | 47' - 8 1/8" | 51' - 5 1/8" |
| T | 51' - 5 1/8" | 55' - 2 1/8" |

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

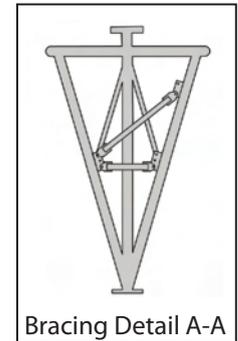
SELF-SUPPORTING SSMW SECTIONS



Typical section assembly detail for sections B, C & D.
Section E, F, G, H & J are identical except for the number of bays of bracing.

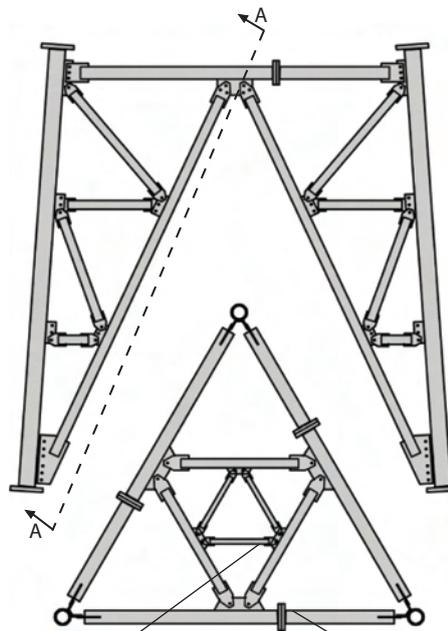


Typical section assembly detail for sections K, L & M.



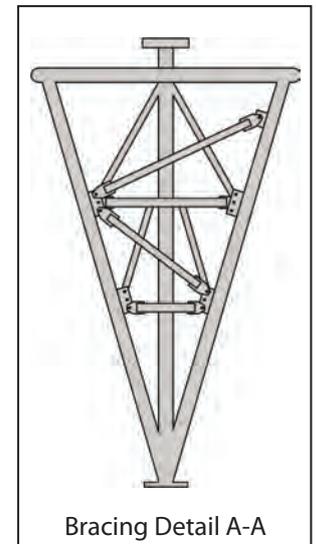
Bracing Detail A-A

SSMW SECTIONS
Sections are designed for many different sizes of braces and legs.



Typical section assembly detail for sections N, P, Q, R, S & T.

Secondary horizontal sub-bracing are used on sections Q, R, S & T.



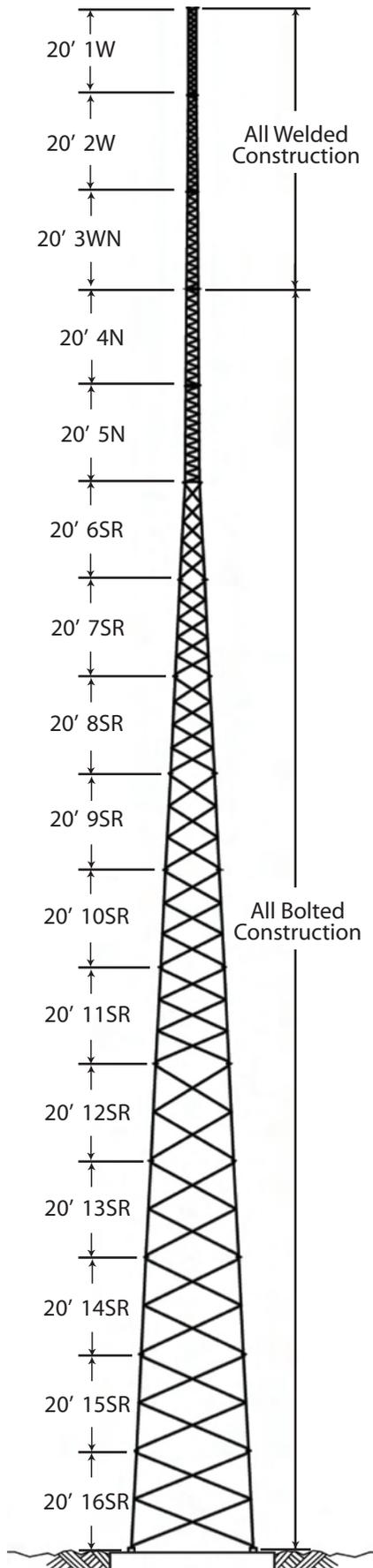
Bracing Detail A-A

Bracing splice connections are used on sections Q through T.



SSVSR SELF-SUPPORTING TOWERS

SSVSR



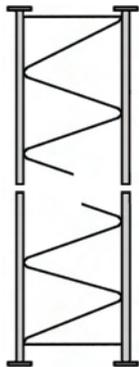
GENERAL USE

The ROHN SSVSR tower is similar in design to the ROHN SSV tower, but uses solid round legs instead of tubular legs. The SSVSR tower gives the versatility to switch to a solid leg, if desired. The standard side arms, dish mounts, ladders and waveguide supports that are used on the SSV tower can be used on the SSVSR tower. All SSVSR towers are hot-dip galvanized for corrosion protection.

| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|--------------|
| | Upper | Lower |
| 1W | 1' - 2" | 1' - 2" |
| 2W | 1' - 2" | 1' - 6" |
| 3WN | 1' - 6" | 1' - 10" |
| 4N | 1' - 10" | 2' - 2" |
| 5N | 2' - 2" | 2' - 6" |
| 6SR | 2' - 6" | 4' - 6 1/4" |
| 7SR | 4' - 6 1/4" | 6' - 6 3/4" |
| 8SR | 6' - 6 3/4" | 8' - 6 3/4" |
| 9SR | 8' - 6 3/4" | 10' - 6 3/4" |
| 10SR | 10' - 6 3/4" | 12' - 7 1/4" |
| 11SR | 12' - 7 1/4" | 14' - 7 7/8" |
| 12SR | 14' - 7 7/8" | 16' - 8 3/8" |
| 13SR | 16' - 8 3/8" | 18' - 8 3/8" |
| 14SR | 18' - 8 3/8" | 20' - 9 3/8" |
| 15SR | 20' - 9 3/8" | 22' - 9 3/8" |
| 16SR | 22' - 9 3/8" | 24' - 9 3/8" |

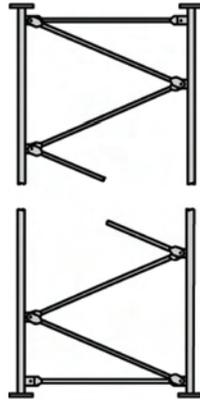
Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

SELF-SUPPORTING SOLID ROUND LEG SECTIONS



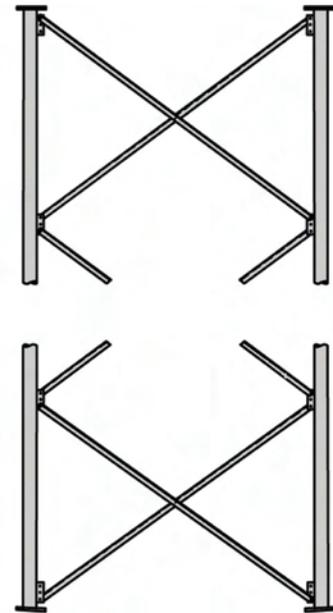
Bracing Detail for Sections 1W - 3WN
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*

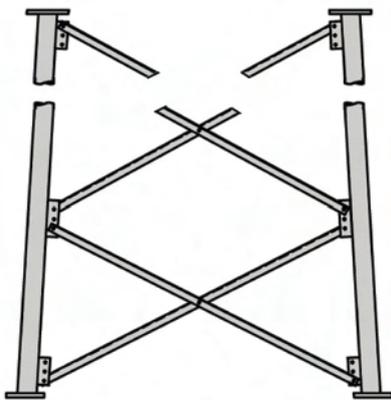


Bracing Detail for Sections 4N & 5N
Solid Round Legs & Solid Round Braces

*Straight and Tapered Sections
available.*

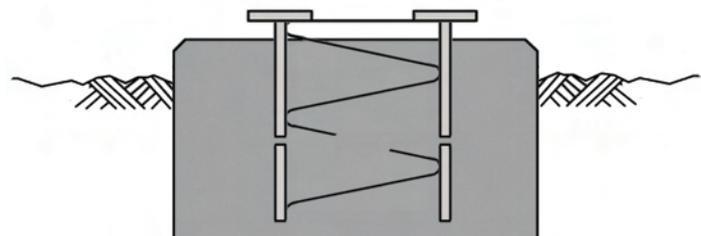


Bracing Detail for Straight Sections 6SR & 11SR
Solid Round Legs & Angle Braces



Bracing Detail for Tapered Sections 6SR - 16SR
Solid Round Legs & Angle Braces

TYPICAL SHORT BASE



Part No: SB2, SB3, SB4 & SB5
*Installed when 2N - 5N sections are
used as tower base.*

Anchor bolt configurations are provided with larger towers.

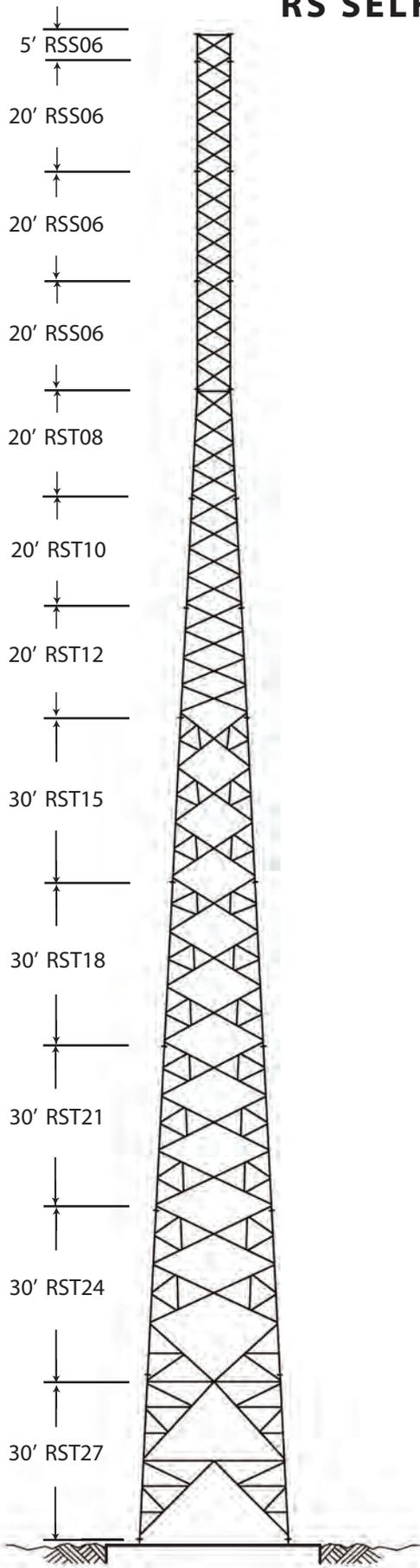
SSVSR SECTIONS

Sections are designed for many different
sizes of braces and legs.



RS SELF-SUPPORTING TOWERS

RS



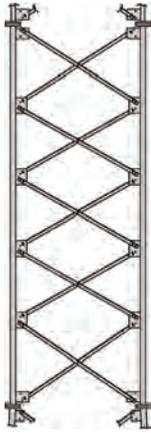
GENERAL USE

The ROHN RS tower is a unique solid round leg tower that uses angle braces in an X-Brace pattern. The RS tower is custom designed with standard components to shorten lead times. All RS towers are hot-dip galvanized for corrosion protection.

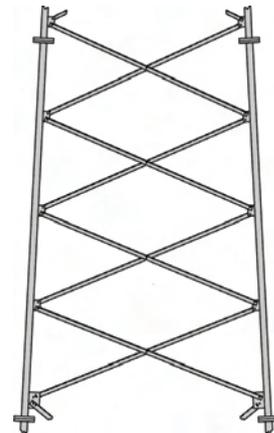
| Section Number | Nominal Spread Dimension | |
|----------------|--------------------------|-------|
| | Upper | Lower |
| RSS06 | 6' | 6' |
| RST08 | 6' | 8' |
| RST10 | 8' | 10' |
| RST12 | 10' | 12' |
| RST15 | 12' | 15' |
| RST18 | 15' | 18' |
| RST21 | 18' | 21' |
| RST24 | 21' | 24' |
| RST27 | 24' | 27' |

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please contact ROHN for ordering information.

SELF-SUPPORTING RS SECTIONS

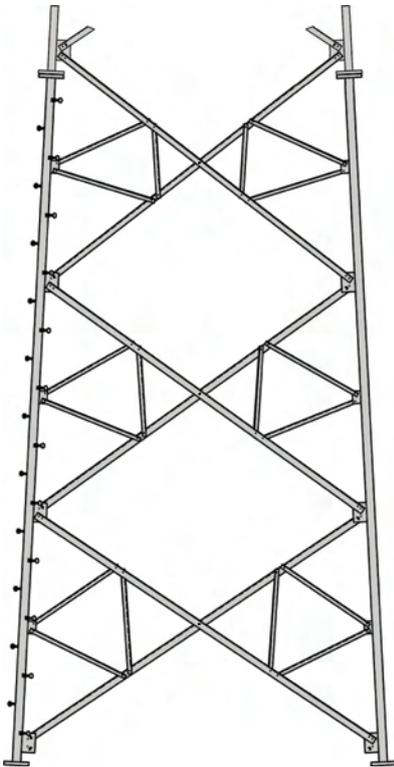


RSS 20' Straight Section
Solid Round Legs & Angle Braces

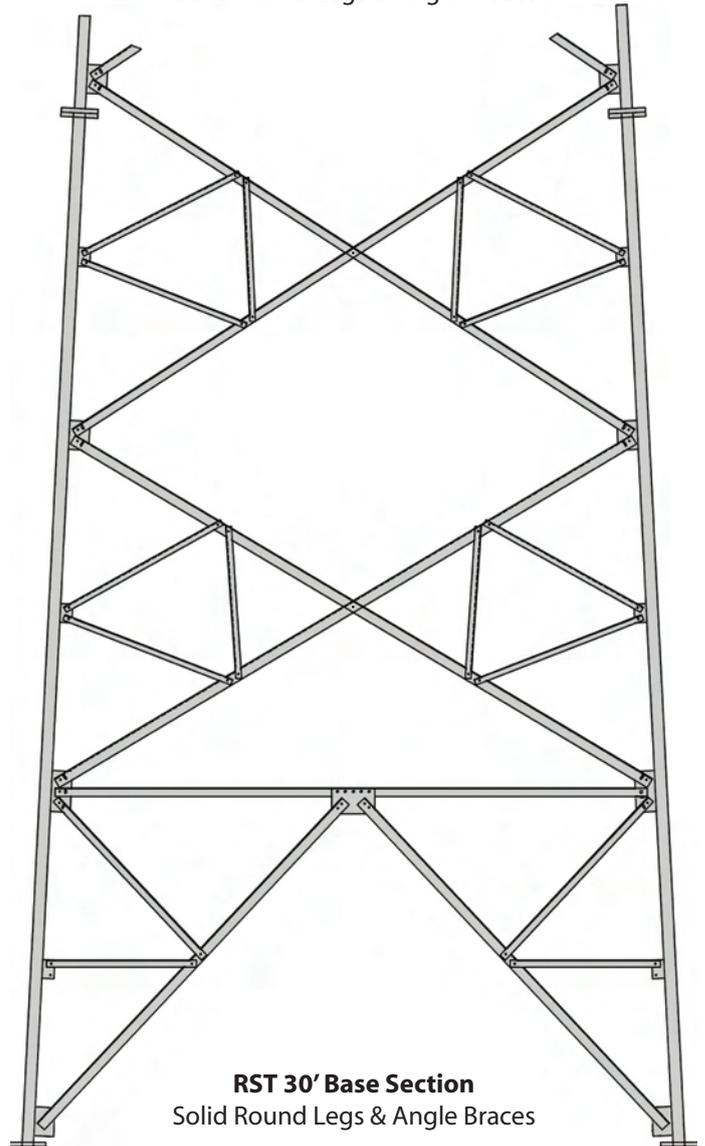


RST 20' Tapered Section
Solid Round Legs & Angle Braces

RS SECTIONS
Sections are designed for many different sizes of braces and legs.



RST 30' Tapered Section
Solid Round Legs & Angle Braces



RST 30' Base Section
Solid Round Legs & Angle Braces