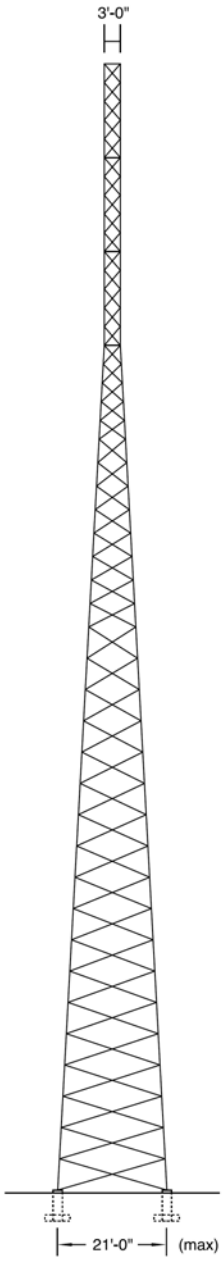
Sabre Site Solutions™
A Division of Sabre Communications Corporation

S3TL Series VL Self-Supporting Tower

The Sabre Series VL pre-engineered tower has the ability to support a minimum of 8.3-ft^2 of Effective Projected Area (EPA) and is available in heights up to 240-ft. It is appropriate for a number of communication applications.

All towers are designed per ANSI/TIA/EIA-222-F-1996. The Series VL tower is a three-legged self-supporting tower built with tubular steel legs and angle bracing. The tubular leg design tends to be less expensive than a solid round leg design because of its improved strength-performance per pound ratio. All steel parts are hot-dip galvanized to ensure uncompromising integrity in even the most severe climates.

Tower Profile	
EPA Load Range(sq. ft.)	See Individual Tower Profiles
Load Location	Top
Maximum Height	240'
Minimum Height	40'
Minimum Top Spread	3'-0"
Maximum Base Spread	21'-0"
Maximum # of Lines on a Face	3 (⅞") per Face (9 total)
Basic Wind Speed	See Individual Tower Profiles
Taper Ratio	2' in 20'
Section Lengths	5', 10', 15' & 20'
Leg Type	Tubular
Leg Size Range	2⅜" OD to 8⅝" OD
Leg Connection	Bolted Flange
Brace Type	Angle
Brace Size Range	1½"x 1½"x ⅛" to 3½"x 3½"x ¼"
Brace Style	X - Braced
Brace Connection Type	Bolted
Engineering	Pre-Engineered
Climbing Application	Step Bolts
Type of Line Support Considered	N/A - Attach directly to bracing members
Maximum Sidearm Length	6'



Notes:

1. EPA is the actual area "seen by the wind" of an appurtenance (antenna, mount, etc.) multiplied by a force coefficient. It is not necessarily the value published by the appurtenance manufacturer. Please refer to www.tessco.com/go/towers for a further explanation of and some guidelines on how to calculate EPA.
2. ANSI/TIA/EIA-222-F-1996 recommends that designs be evaluated by a registered professional engineer for each specific application.
3. For shorter more lightly loaded self-supporting towers please see the Series UL freestanding towers.