



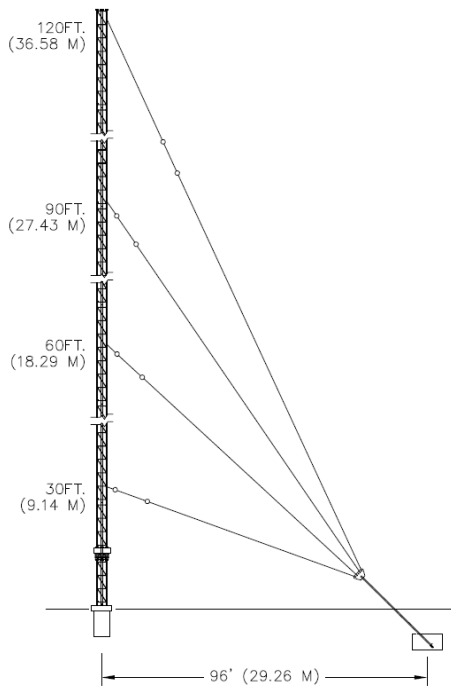
Southern Avionics Company

120 ft. Mast Antenna

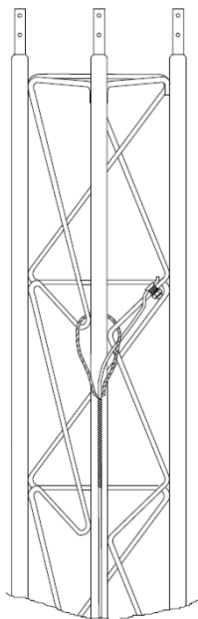
Part Number: SLF10001

SPECIFICATION SHEET

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Guy Anchor Location Detail



Top Hat Guy Detail

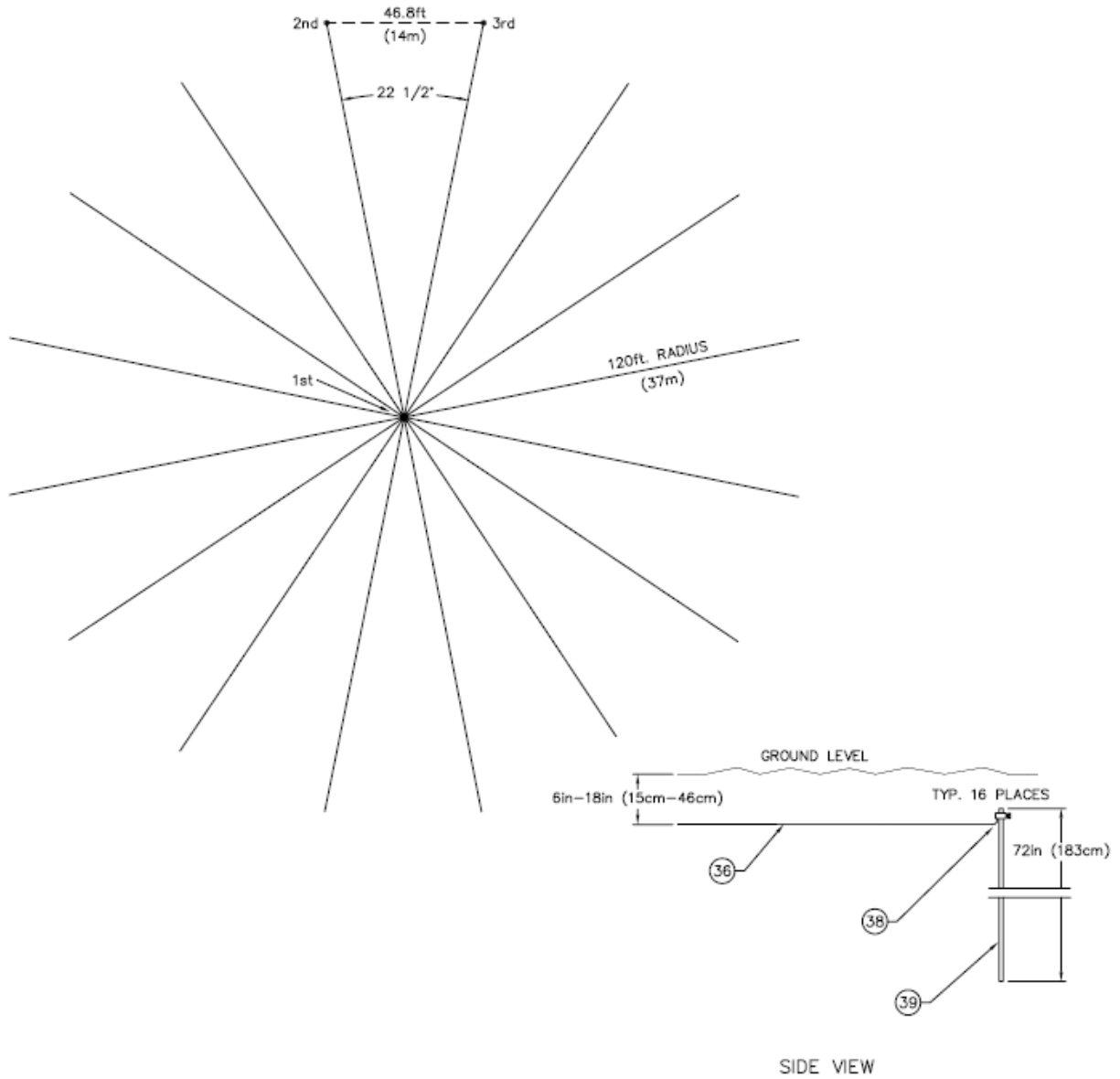
FEATURE	SPECIFICATION
Resistance	50 Ohms
Max Power Rating	4000 W PEP
Capacitance	626 pF standard
Frequency of Operation	190-535 kHz
Polarization	Vertical
Pattern	Omni-directional
Electrical Length	82.36 ft. (25.11m)
Wind Rating	130 mph (209km/hr)
Height	120 ft. (36.6m)
Sections	11 (eleven) 10ft. (3m) sections, 2 (two) 5ft. (1.5m) RF insulator sections
Finish	Galvanized steel
Installed Weight	920 lbs. (418kg)
Optional Equipment	Installation Kit, Antenna Simulator
Temperature Range	-50°C - +70°C
Base Pier Rating	14000 lbf. (62275N)
16 Radial Ground System	1500 ft. (335m) of #10 AWG soft-drawn copper wire, 17 6 ft. (2m) ground rods, ground clamps, associated hardware

Mechanical:

The antenna is made of 11 galvanized steel sections configured on 12.5 in (32cm) equilateral triangular design with electrically welded continuous steel "zigzag" cross bracing. The lattice tower sections are designed in accordance with U.S. National Standard ANSI/EIA-222 F.

Three high voltage insulators are used to isolate the radiator from the ground. Rain shields are included to enhance the insulation. Four top-loading guy wires [120 ft. (36m)/90 ft. (27m)/60 ft. (18m)/30 ft. (9m)] are used to develop and enhance antenna capacitance.

Counterpoise Diagram



*Information provided is subject to change without notice