



DRAWING NOT TO SCALE

VIEWED FROM BELOW

- ① User supplied 3/8-1/4" suspension rope, black Dacron® recommended.
- ② 2.5" glazed ceramic stress insulator.
- ③ 1/8" double-braided black Dacron® UV, chemical resistant rope.
- ④ 13AWG insulated copper-clad steel wire w/mil-spec black PE insulation.
- ⑤ Spreaders are pultruded fiberglass tubing, 36" x 1.5" OD x 1/8" wall, reinforced at all points where wire elements pass with 5" x 1.25" OD x 1/8" wall fiberglass inserts for added strength in these high stress areas. All electrical connections are hand-soldered, fully stress-relieved and/or epoxy potted within the spreaders.
- ⑥ All connections and junctions between spreaders and wire elements are stress-relieved, using our exclusive combination of 1/8" double-braided Dacron rope and machine-swaged, twin-cavity aluminum crimps. This method provides great strength and prevents any movement that would result in wear and possible failure of these vital mechanical junctions under full load conditions of wind and snow.
- ⑦ Hand-built and fully tested, "true" balun is designed for continuous-duty at full rated power. Each is housed in a NEMA 4" x 4" marine-grade enclosure, mounted on a 1/4" thick black UHMW-PE mounting plate with all stainless-steel hardware. 2" stainless U-bolts are provided for mast-mounting of antennas in inverted-V configuration if desired. Standard coaxial connector is type-N, with others available at additional cost. Full stress-relief for this connector is provided, the coaxial feed-line is not. Feed-point impedance is 50 ohms nominal.
- ⑧ Twin loads are non-inductive and housed in 12" x 2" OD x 1/8" wall fiberglass tubes with heavy, epoxy-sealed polystyrene end-caps. All hardware is stainless-steel and brass. Full strain-relief is provided by uniquely designed suspension bridles comprised of 1/8" double-braided black Dacron® rope, 1" polypropylene webbing and mil-spec black polymer hardware. All connections are made using machine-sledged aluminum crimps.