



SPECIALISTS FOR HIGH FREQUENCY

14Ft Aluminum Whip Antenna AS-3771B/U

NSN 5985-01-383-8572

THE AS-3771B/U 14 FOOT ALUMINUM WHIP TRANSMITTING/RECEIVING ANTENNA IS DESIGNED AND BUILT TO MEET THE US NAVY REQUIREMENTS FOR SHIPBOARD ANTENNAS. THE ANTENNA MEETS MIL-S-901 GRADE A FOR SHOCK; MIL-STD-167 FOR VIBRATION.

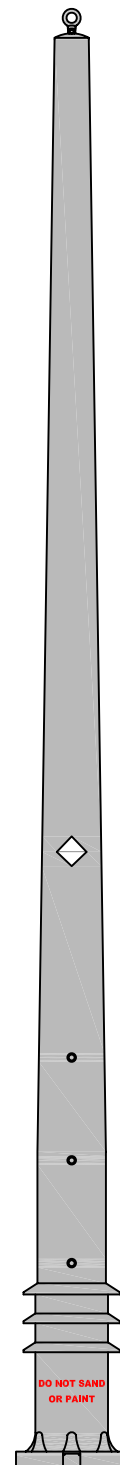
THE ANTENNA IS USED WITH GENERAL HF COMMUNICATIONS EQUIPMENT. THE ANTENNA PROVIDES VERTICALLY POLARIZED, OMNIDIRECTIONAL AZIMUTH RADIATION FROM 4 TO 30 MHz WHEN THE ANTENNA IS OPERATED WITH A SUITABLE TUNING SYSTEM. IT MAY BE EMPLOYED FOR GENERAL PURPOSE BROADBAND COMMUNICATIONS RECEPTION FROM VLF TO 30 MHz.

THE ANTENNA CONSISTS OF A TAPERED ALUMINUM RADIATING ELEMENT AND AN INTEGRAL FIBREGLASS INSULATOR AND BASE MOUNTING FLANGE. IT IS A SINGLE PIECE ANTENNA WHICH HAS THREE SIDE FEED POINTS. THE INTEGRAL INSULATOR AND BASE MOUNTING FLANGE IS BONDED TO THE BOTTOM OF THE RADIATING ELEMENT. A DRIP SHIELD IS PROVIDED JUST BELOW THE LOWER FEED POINT.

THE MECHANICAL STRENGTH OF THE INTEGRAL INSULATOR AND MOUNTING FLANGE IS ACHIEVED WITH A PATENTED PROCESS USING HIGH STRENGTH FILAMENT FIBREGLASS AND EPOXY RESIN.

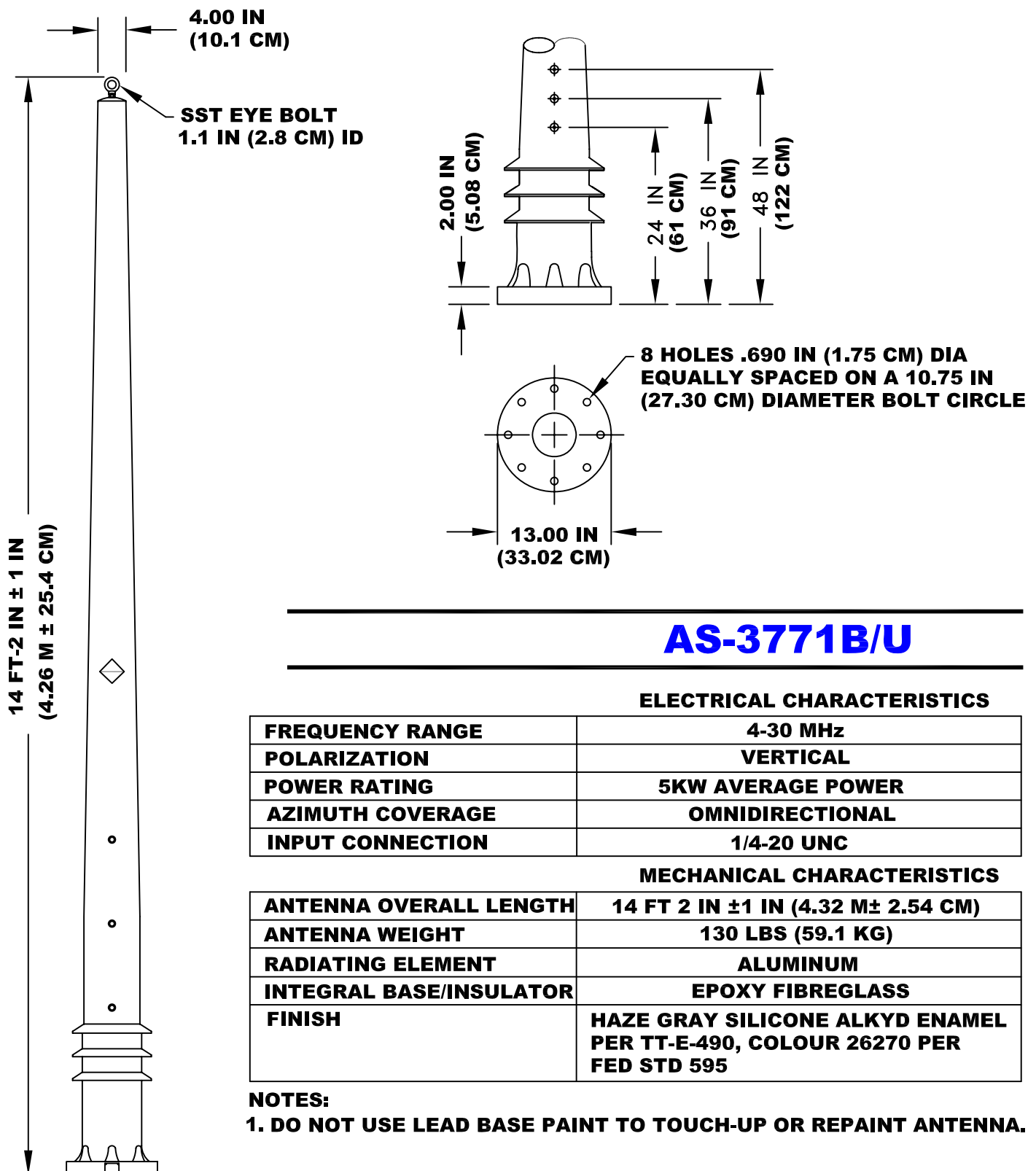
FEATURES:

- **POWER HANDLING TO 5KW**
- **MINIMUM MAINTENANCE**
- **HIGH RELIABILITY**
- **SHIPBOARD APPLICATIONS**
- **BROADBAND**
- **WEATHERPROOF**



AS-3771B/U

QUICK REFERENCE DATA



AS-3771B/U

ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE	4-30 MHz
POLARIZATION	VERTICAL
POWER RATING	5KW AVERAGE POWER
AZIMUTH COVERAGE	OMNIDIRECTIONAL
INPUT CONNECTION	1/4-20 UNC

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	14 FT 2 IN ± 1 IN (4.32 M ± 2.54 CM)
ANTENNA WEIGHT	130 LBS (59.1 KG)
RADIATING ELEMENT	ALUMINUM
INTEGRAL BASE/INSULATOR	EPOXY FIBREGLASS
FINISH	HAZE GRAY SILICONE ALKYD ENAMEL PER TT-E-490, COLOUR 26270 PER FED STD 595

NOTES:

- DO NOT USE LEAD BASE PAINT TO TOUCH-UP OR REPAINT ANTENNA.