ID-216

PHYSICAL CHARACTERISTICS OF ANTENNA

MATERIAL:	-	Stainless Steel
CONSTRUCTION:	-	6 Telescopic Sections
EXTENDED LENGTH	-	35' 7"
COLLAPSED LENGTH	-	6' ¼"
BASE (6th) SECTION	-	OD 1.5", ID 1.37"
WEIGHT:	-	12 lbs.

PHYSICAL CHARACTERISTICS OF HEAVY-DUTY BASE INSULATOR

BASE MATERIAL:	-	Chrome plated brass
INSULATOR MATERIAL:	-	Brown glazed porcelain
COMPRESSION RATING:	-	10,000 lbs.
HEIGHT:	-	8"
MOUNTING DIMENSIONS:	-	see illustration
WEIGHT:	-	8 lbs.

The antenna will withstand wind velocities of 60 mph when mounted with supplied base. When guy wires are installed as shown the antenna will withstand velocities in excess of 100 mph.

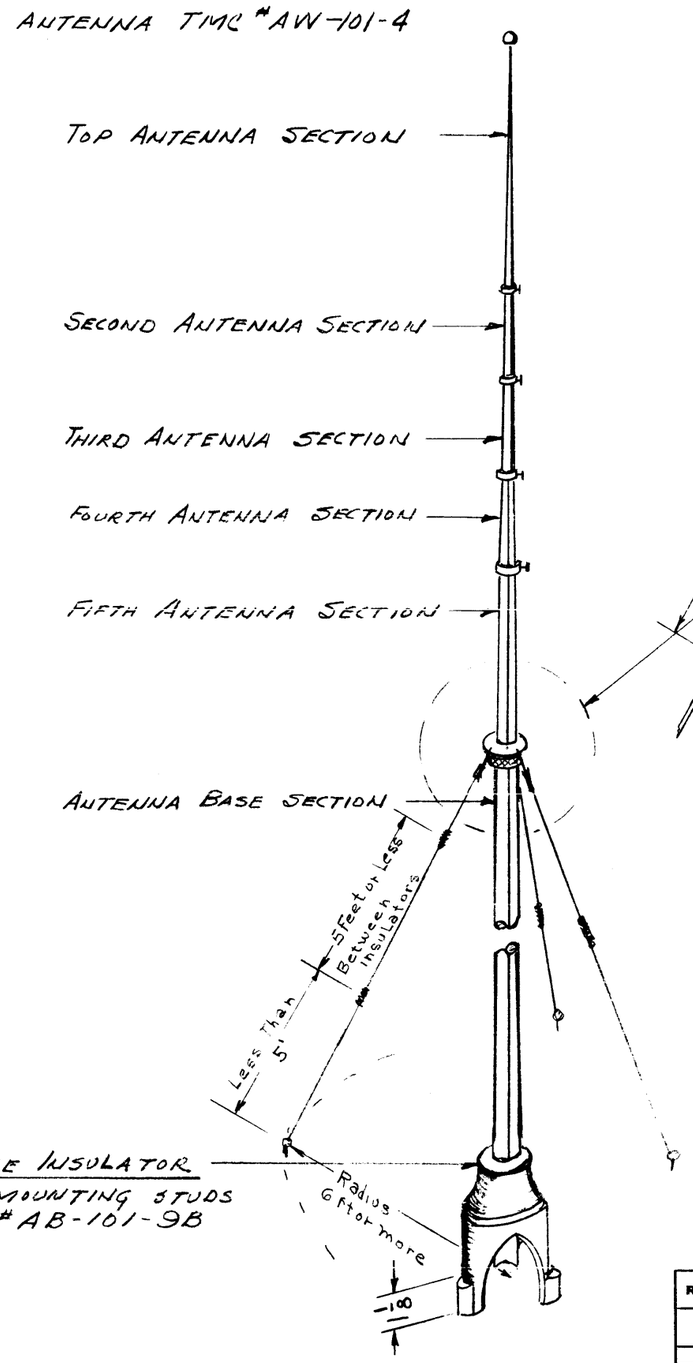
Three guy wires are to be attached firmly to the guy ring (supplied) at the mast and to stationary supports placed 120° apart at a minimum radius of 6 feet from the base of the antenna.

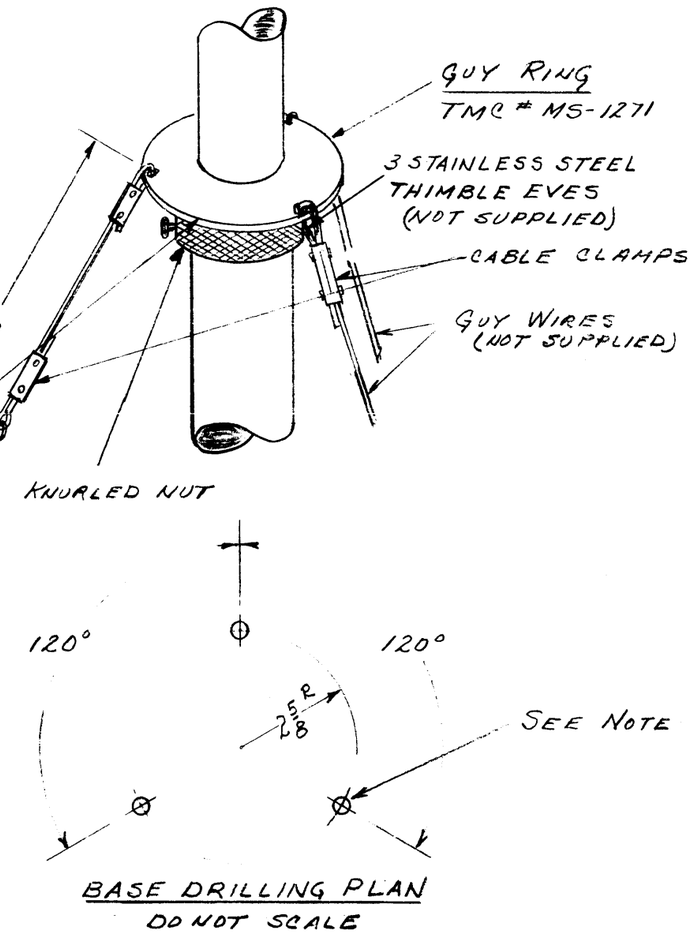
Guy wires so installed will each exceed 8' in length. Each guy must be divided by an insulator so that the electrical length of the segments formed will be 5 ft. or less in length.

It is recommended that 1/8" diameter stranded 1x7 or 7x7 rope of either stainless steel, phosphor bronze, or vinyl jacketed steel be used for guys. Suitable non-corrosive cable clamps should be used to fasten guys. These items are not supplied.

Three stainless steel bolts are provided for mounting the antenna Base Insulator. They are 2 3/4" long and will fit a 3/8-16 nut or tapped hole.

The use of thimbles is recommended at the guy ring.





BASE DRILLING PLAN
DO NOT SCALE

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	1	COMPLETELY REVISED	6/12/58	1	[illegible]		[illegible]

TOLERANCES

DEC. DIM. ±
FRAC. DIM. ±
ANGULAR DIM. ±

SCALE:

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
	USED ON			

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
STOCK SIZE			VERTICAL WHIP ANTENNA INSTALLATION	
MATERIAL				
TYPE & TEMPER	HEAT TREAT. SPEC.		DRAWN: 5/20/58 [illegible]	CHECKED: [illegible]
FINISH & SPEC. NO.			ELEC. DES. APP.	MECH. DES. APP.

FINAL APPROVAL: [illegible]

ID-216 A

FORM-109-A