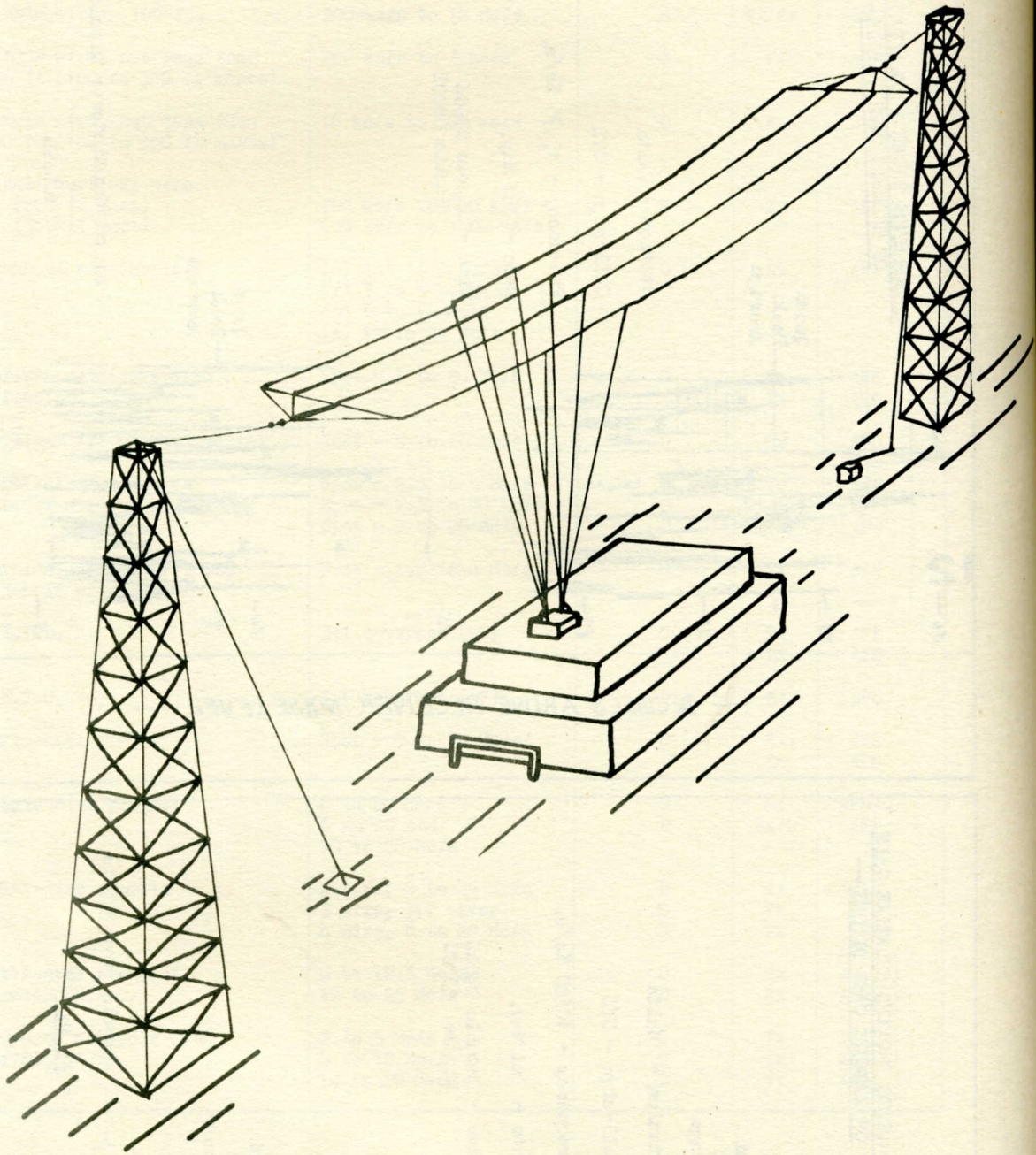


## AERIALS AND FEEDERS

DESCRIPTION	FREQUENCY	DIRECT/OMNI	TX/RX	OUTFIT
Multi-wire roof aerials	L.F.	0	Tx	AEB/C/G/H
Single wire - 100 ft.	200 kc/s to 10 Mc/s	0	Tx/Rx	AED
Single wire, not less than 600 ft (100 to 300 ft masts)	200 kc/s to 3 Mc/s	0	Tx	AEF
Single wire, not less than 600 ft (100 to 300 ft masts)	16 kc/s to 500 kc/s	0	Rx	AEE
Single vertical wire (600 ft mast) (350 ft mast)	100 kc/s to 600 kc/s 600 kc/s to 1200 kc/s	0	Tx	AEJ
Quadrant cage aerial	(w) 1.5 to 3 Mc/s (x) 3 to 6 Mc/s (y) 6 to 12 Mc/s (z) 12 to 24 Mc/s	0	Rx	AFA
Horizontal dipole with reflector	Spot - 5 to 20 Mc/s	D	Rx Tx	AFB AFC
Vertical 'Y' matched aerial	Spot - 5 to 20 Mc/s	0	Tx	AFD
Vertical single wire quarter wave	Spot - 2.3 to 4 Mc/s Spot - 1.5 to 20 Mc/s Spot - 3 to 20 Mc/s	0 0 0	Tx Tx,Rx Tx	AFE AFF AFG
Vertical single wire end fed half wave	Spot - 1.5 to 4 Mc/s	0	Tx	AFH
V.F.T.D.	3:1 coverage (HF)	0	Tx Rx	AFK AFS
H.F.T.D.	3:1 coverage (HF)	D	Rx	AFO
Horizontal Dipole	Spot - 5 to 20 Mc/s	D	Rx Tx	AFL AFM
Single wire rhombic	6 to 20 Mc/s 6 to 20 and 10 to 26 Mc/s	D D	Rx Rx/2	AFN/Q AFT
Multi-wire rhombic	2 wire, 6 to 20 Mc/s 3 wire, 3:1 cover 4 wire, 6 to 20 Mc/s	D D D	Tx Tx Tx	AFJ AFR AFP
Horizontal Array of Dipoles (H.A.D.)	6 to 12.5 Mc/s 12 to 25 Mc/s	D D	Rx Rx	AGL( ) AGL( )
Wideband Monopole with Earthmat	2 to 5 Mc/s 4 to 10 Mc/s 10 to 26 Mc/s	0 0 0	Tx Tx Tx	AGA( ) AGA( ) AGA( )

## AERIAL OUTFIT A.E.B.



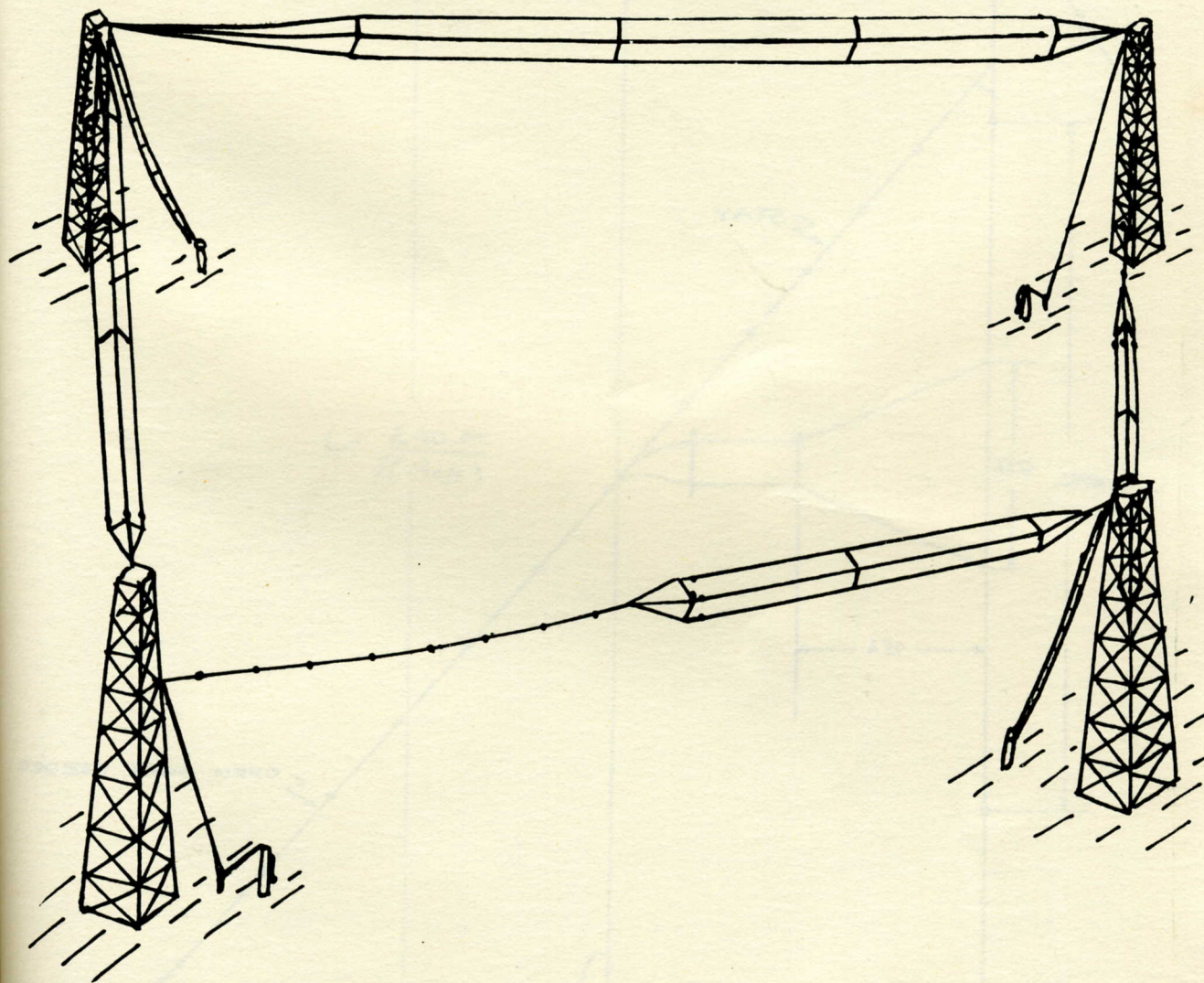
### NOTES:

AN L. F. TRANSMITTING AERIAL.  
 DIMENSIONS AND RIGGING DETAILS CAN BE  
 OBTAINED FROM A.S.W.E. DRAWING NO:30582.

Fig.6.4

NOT

## AERIAL OUTFIT A.F.A.



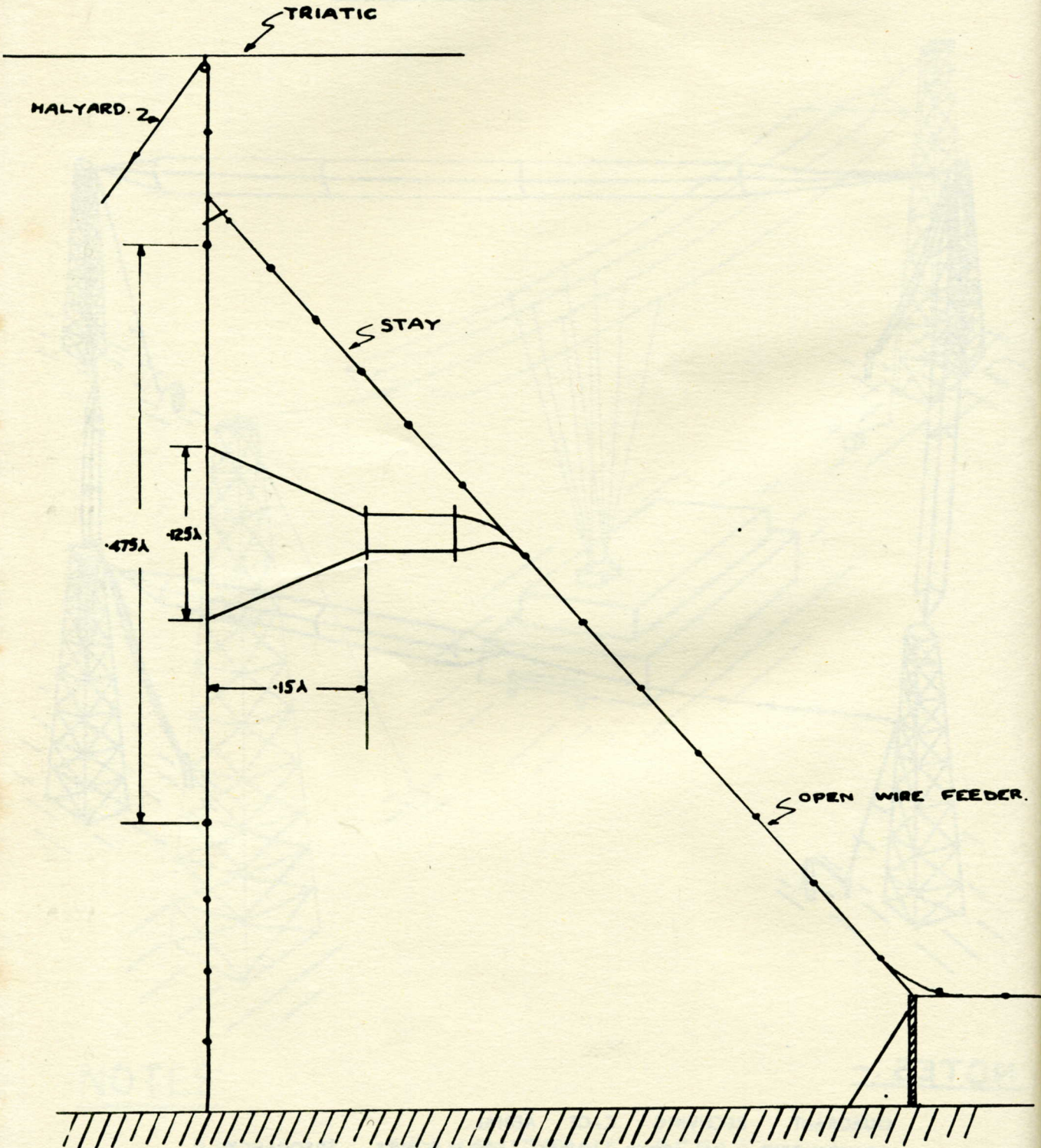
### NOTES :-

QUADRANT RECEIVING CAGE AERIAL.  
 CONSTRUCTED IN FOUR SIZES TO COVER FREQUENCY  
 RANGE 5 TO 20 Mc/s

PLAN BE  
 :30582.

Fig. 6.5

AERIAL OUTFIT AFD.



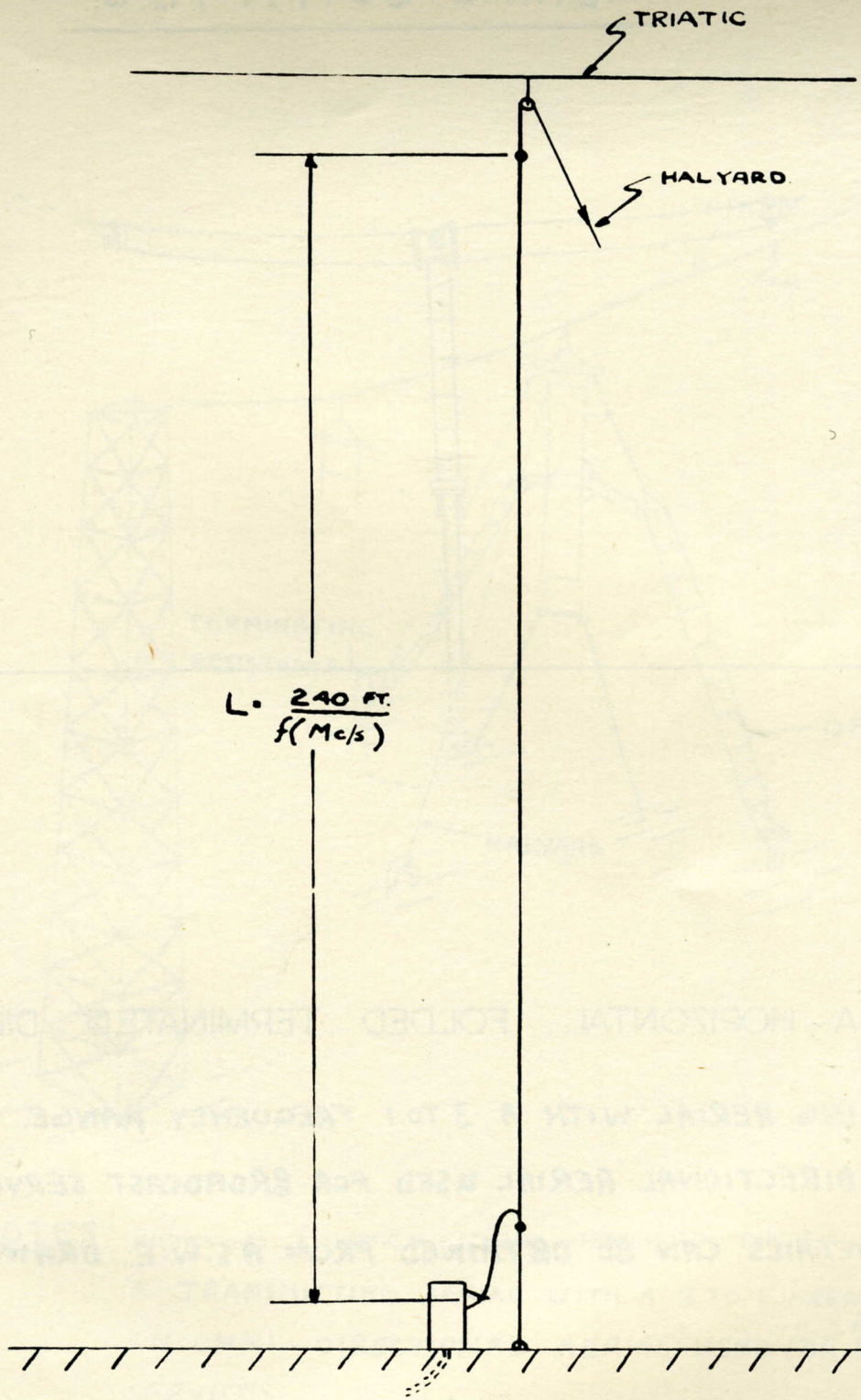
**NOTES:-**

AN OMNI-DIRECTIONAL TRANSMITTING AERIAL. A  $\frac{1}{2}$  DIPOLE.  
 USED ON BROADCAST CIRCUITS.  
 DIMENSIONS OF AERIAL AND RIGGING DETAILS CAN BE FOUND IN A.S.W.E.  
 DRAWING NO. D. 21056

**NOTES:-**

AN OM  
 A  $\frac{1}{4}$   
 USED F  
 DIMENSI  
 A.S.V

Fig. 6.6

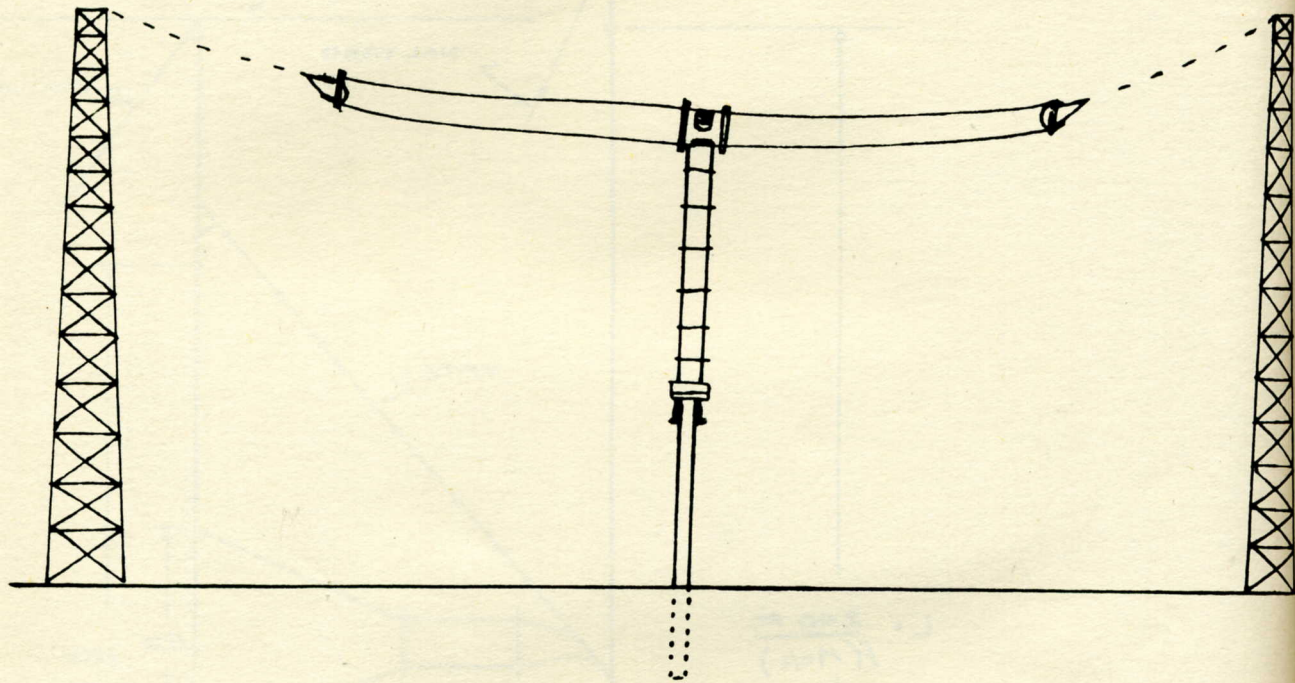


NOTES:-

AN OMNI-DIRECTIONAL RECEIVER AND LOW POWER TRANSMITTER AERIAL  
 A  $\frac{1}{4}$  END FED DIPOLE  
 USED FOR BROADCAST CIRCUITS  
 DIMENSIONS OF AERIAL AND RIGGING DETAILS ARE CONTAINED IN  
 A.S.W.E DRAWING NO. 30163A/R10

Fig. 6.7

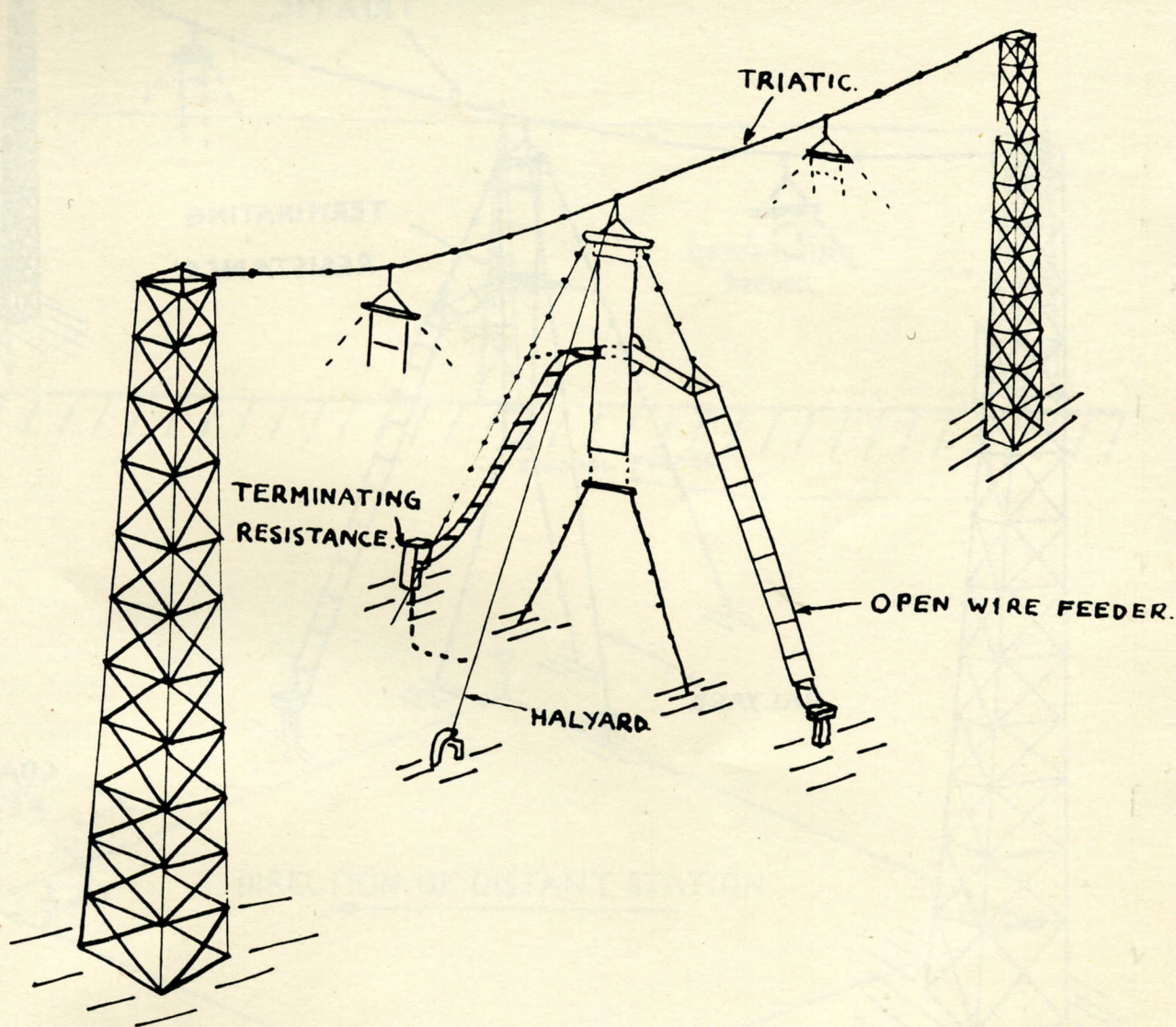
## AERIAL OUTFIT A.F.O.



NOTES: A HORIZONTAL FOLDED TERMINATED DIPOLE.  
 A RECEIVING AERIAL WITH A 3 TO 1 FREQUENCY RANGE.  
 AN OMNI-DIRECTIONAL AERIAL USED FOR BROADCAST SERVICES.  
 RIGGING DETAILS CAN BE OBTAINED FROM A.S.W.E. DRAWING  
 NO: 30406.

Fig. 6.8

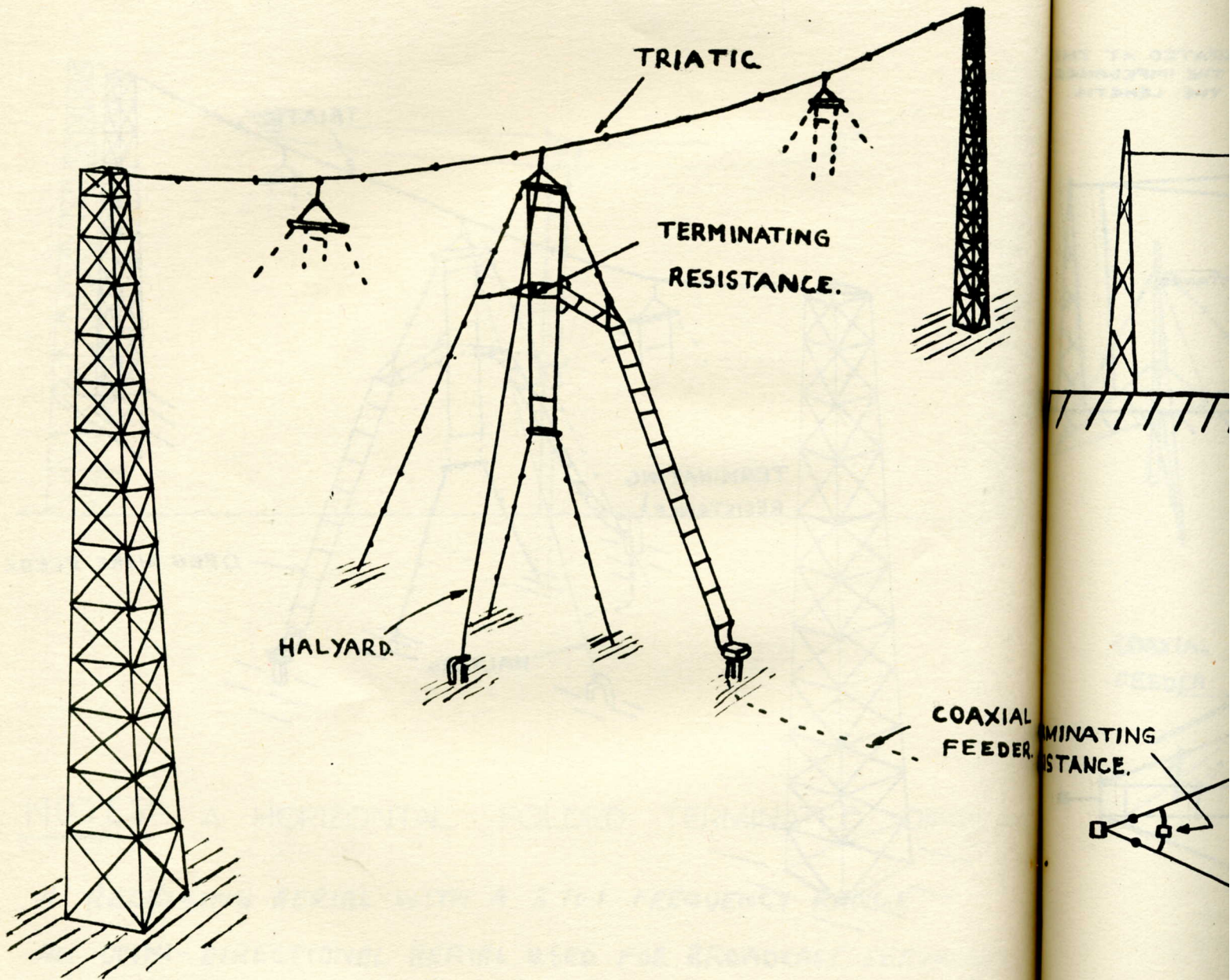
NOTE:



**NOTES:** KNOWN AS A VERTICAL FOLDED TERMINATED DIPOLE. (V.F.T.D.)  
 A TRANSMITTING AERIAL WITH A 3 TO 1 FREQUENCY COVERAGE.  
 AN OMNI-DIRECTIONAL AERIAL USED FOR BROADCAST SERVICES.  
 RIGGING DETAILS CAN BE OBTAINED FROM A.S.W.E. DRAWING NUMBER.

Fig. 6.9

# AERIAL OUTFIT A.F.S.



NOTES:

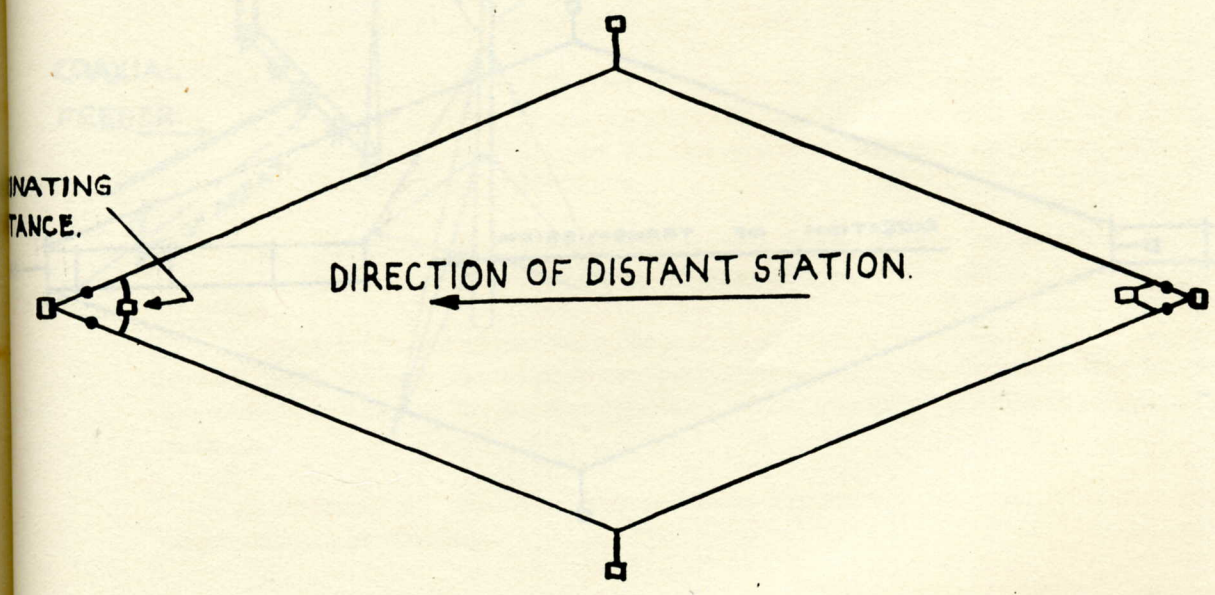
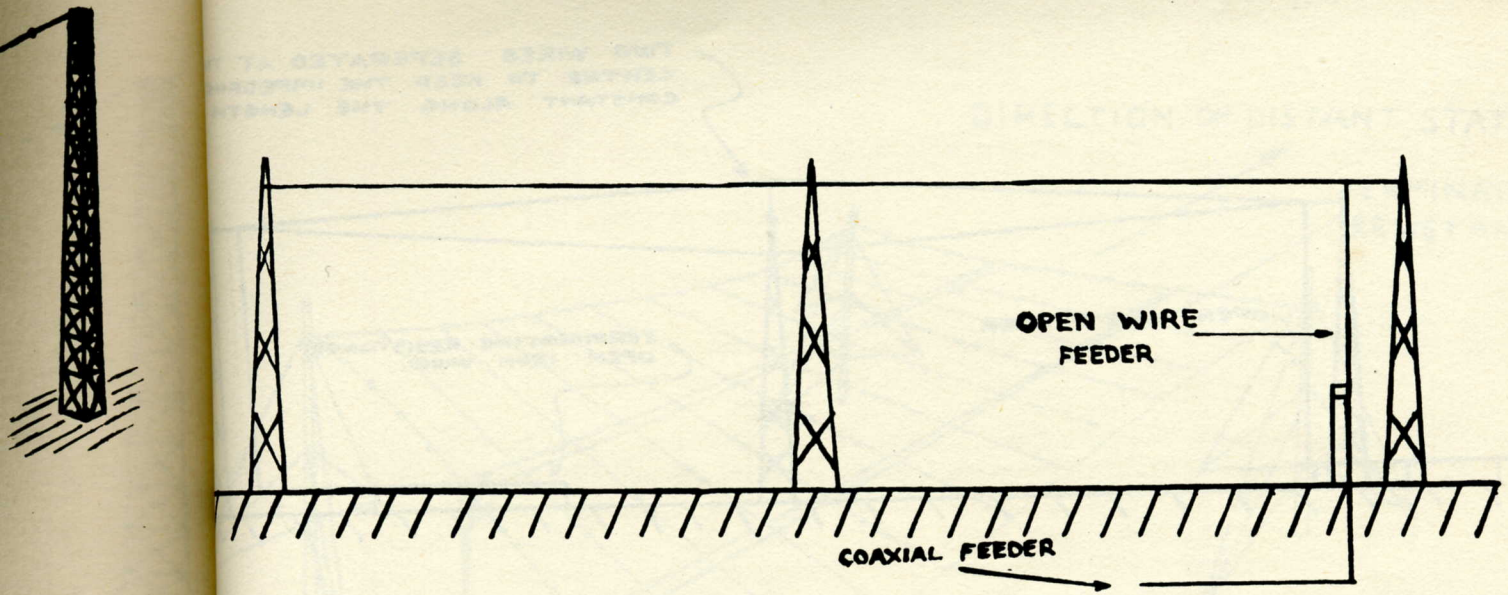
A RECEIVING AERIAL WITH A 3 TO 1 FREQUENCY COVERAGE.  
 AN OMNI-DIRECTIONAL AERIAL USED FOR BROADCAST SERVICES.  
 RIGGING DETAILS CAN BE OBTAINED FROM A.S.W.E. DRAWING  
 NUMBER 41434/R4.

Fig.6.10

NOTES:- A

A DIRE  
 USUALLY  
 DIMENSIONS  
 CAN BE OBT  
 GING DETA





COAXIAL FEEDER.

COVERAGE.

FAST SERVICES.

DRAWING

NOTES:— A RHOMBIC AERIAL.

A DIRECTIONAL RECEIVER AERIAL.

USUALLY A 3 TO 1 FREQUENCY COVERAGE.

DIMENSIONS AND ANGLES FOR A PARTICULAR STATION

CAN BE OBTAINED ON APPLICATION TO A.S.W.E.

ADDITIONAL DETAILS ARE CONTAINED IN A.S.W.E.

DRAWING, E 210649.

Fig. 6. 11

