

EXCHANGE TYPES OF CROSSARMS

W8

<u>Contents</u>	<u>Page</u>
1. General	1
2. W8	1
3. W8-8-32	2
4. W8-8-16	2
5. W8-12-16	3
6. W8-12-40	4

1. GENERAL

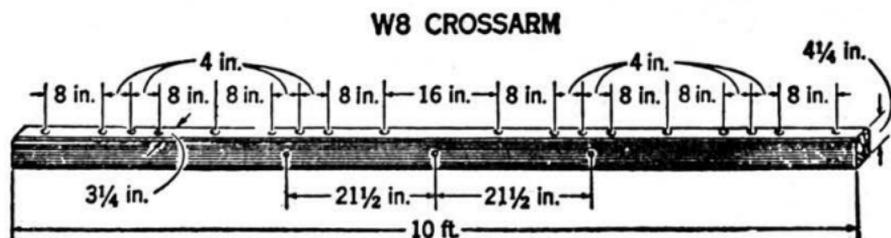
1.01 This section covers the use and description of the types of equipped W8 crossarms which are normally used in supporting rural, exchange, and local toll circuits.

1.02 The types of equipped W8 crossarms intended primarily for supporting carrier circuits are described in the G22.106 series of practices.

2. W8 CROSSARM

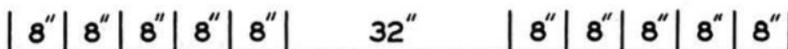
2.01 The W8 is an unequipped crossarm with a number of pin holes so spaced that various combinations of wire-to-wire and pair-to-pair pin spacing can be obtained. It is used to make up the standard W8-8-32, W8-8-16, W8-12-16, and W8-12-40 equipped crossarms covered in this section.

2.02 The W-8 crossarm is illustrated below:



3. W8-8-32 CROSSARM

3.01 The pin spacing of the equipped W8-8-32 crossarm is illustrated below:

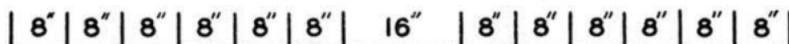


3.02 Use the W8-8-32 crossarm on jointly used or non-jointly used lines where a crossarm is needed for an ultimate requirement of six pairs of wire per crossarm.

3.03 The W8-8-32 crossarm may generally be used in lines with span lengths up to 300 feet.

4. W8-8-16 CROSSARM

4.01 The pin spacing of the equipped W8-8-16 crossarm is illustrated below:



4.02 Use the W8-8-16 crossarm on non-jointly used rural exchange lines having an ultimate requirement of one crossarm. With the following exceptions no other attachment shall be made on poles of such exchange lines.

- (1) Clearance arm for supply service drops.
- (2) Wooden pole bracket or drop wire terminations for side leads.
- (3) Buck arm construction for corners or for side lead terminations.
- (4) If at some future date the circuit requirements on these pole lines carrying one arm with 16 inches between pole pairs is increased, additional crossarms with 30 inches or more between pole pairs may be added without changing the existing crossarms. However, when a pole or crossarm is replaced, only crossarms with a pole pair spacing of 30 inches or more shall be used.

4.03 The W8-8-16 crossarm may generally be used in lines with span lengths up to 300 feet.

5. W8-12-16 CROSSARM

5.01 The pin spacing of the equipped W8-12-16 crossarm is illustrated below:



5.02 Use of W8-12-16 crossarms is as follows:

(a) For carrying toll circuits on non-jointly used toll poles on the following toll routes:

Anaheim - Corona
Corona - Riverside
Anaheim-Long Beach
El Cajon-Pine Valley
Escondido-Warner Springs
Death Valley Spur
Newhall-Palmdale-Mojave
(Newhall-Yermo arms not included)
Riverside-Hemet
Swartout Spur

All minor spur toll leads which are already equipped with Type A or W8-12-16 crossarms.

(b) The use of W8-12-16 crossarms for exchange circuits shall be limited to non-jointly used exchange lines having an ultimate requirement of five pairs of wire. With the following exceptions no other attachment shall be made on poles in such lines:

- (1) Clearance arm for supply service drops.
- (2) Wooden pole brackets or drop wire terminations for side leads.
- (3) Buck arm construction for corners or for side lead terminations.

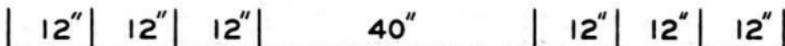
(c) If at some future date the circuit requirement on these pole lines carrying one arm with 16 inches between pole pairs is increased, additional crossarms with 30 inches or more between pole pairs may be added without changing the existing crossarms. However, when a pole or crossarm is replaced, only crossarms with 30 inches or more pole pair spacing shall be used.

(d) If a non-jointly used toll lead is converted to an exchange lead and no buck arm construction is involved the existing cross-arms with 16 inches between pole pair pins, may be retained as long as they remain in their original location on the poles. When pole or crossarm replacements are involved on such a lead and there are two or more crossarms on the pole, replace the 16-inch pole pair spacing crossarms with 10B, W8-8-32, or 16B cross-arms, as required. When making replacements on a converted lead which carries only one crossarm, 10A or W8-12-16 cross-arms may be retained if the conditions meet the requirements of Paragraph 5.02 (b).

5.03 This W8-12-16 crossarm may generally be used in lines with span lengths up to 600 feet.

6. W8-12-40 CROSSARM

6.01 The pin spacing of the equipped W8-12-40 crossarm is illustrated below.



6.02 The use of this arm shall be limited to jointly used pole lines having an ultimate requirement of four pairs of wire per cross-arm.

6.03 This W8-12-40 crossarm may generally be used in lines with span lengths up to 600 feet.