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CARRIER TYPES OF CROSSARMS

BDE

Contents

1. GENERAL

1.01 This section covers the description and use of the BDE crossarm.

2. DESCRIPTION

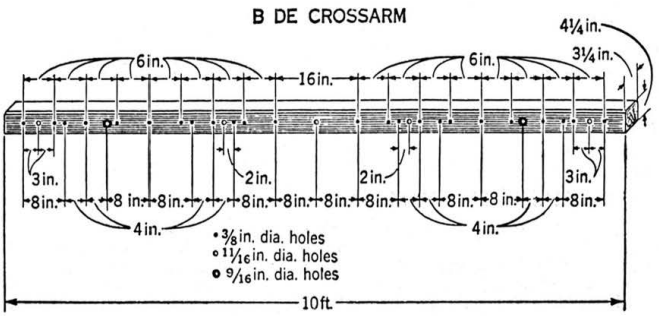
2.01 The BDE crossarm is bored to facilitate the attachment of B Deadend Brackets. The holes are so spaced that various combinations of wire to wire and pair to pair spacings can be obtained.

2.02 Five 11/16-inch holes are bored in the crossarm, the center hole is for the crossarm bolt and the other four holes are used as required for bracing in double arm construction.

2.03 Two 9/16-inch diameter holes near each end of the crossarm are provided to permit the use of guard arm hooks where required for drop wire distribution.

2.04 An equipped BDE crossarm has two 30-inch crossarm braces.

2.05 The BDE crossarm is illustrated below:



3. USE

3.01 The BDE crossarm is intended for deadending wires by means of B Deadend Brackets and may be used on all rural, exchange or local toll lines as well as carrier lines where a 10 foot deadend arm is required.

3.02 In general, two BDE crossarms are placed as a double crossarm at all deadends. When wires are deadended from one direction only, the back arm may be any standard 10 ft. crossarm without pins.

3.03 BDE crossarms shall be used when deadending approximately the same number of wires from opposite directions as follows:

(a) Single crossarm where wire feeds both directions.

Note: Where a division of feed is involved in an open wire line, use a line crossarm and dead end wires on TW insulators, to permit placing 101A terminals, as required.

(b) Double crossarms between a long span and a normal span should have the B Deadend Brackets on each side spaced in accordance with the standard spacing for the span length involved.

3.04 On joint poles and on non-joint exchange poles (except one arm exchange lines) a minimum of 30-inches must be provided between the pole pair wires.

Note: To provide uniform spacing on each side of the pole the nearest bracket holes should be not less than 15 inches from the center of the crossarm and pole.

3.05 On non-joint toll poles with one or more crossarms or on non-joint exchange poles with only one crossarm the pole pair may have a minimum spacing of not less than 12 inches under the conditions specified in the line crossarm practices.

Note: Bore 7/16 inch diameter holes 9 inches each side of the center bolt hole of the crossarm when using the BDE crossarm with line crossarms having pole pair wires 18 inches apart.

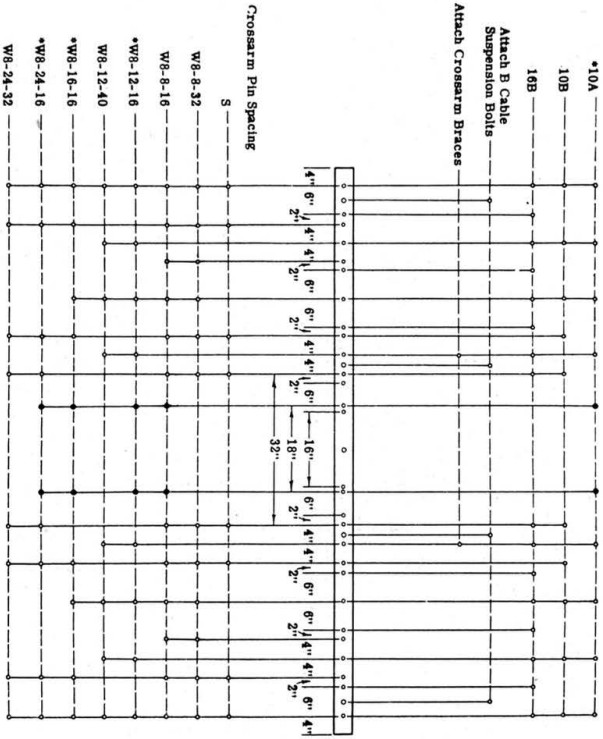
3.06 When placing BDE crossarms on H fixture poles move the dead-end brackets near each pole as necessary to clear the poles and to provide climbing space required by other sections of the Practices.

3.07 Two B Cable Suspension Bolts or two or four Spacing Blocks shall be used with double crossarms as required by other sections of the Practices.

3.08 Limitations on the use of the BDE crossarm are covered in another section of the Practices.

4. DEADEND BRACKET SPACING

4.01 The various deadend bracket spacings to be used to match the line crossarms are illustrated in the following sketch:



*See Paragraph 3.05.
• Holes to be bored.