

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G21.135.1
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AT&T Co Standard

PLACING POLES
FACING POLES

Contents	Page
1. General	1
2. Definition of Face	1
3. Facing of Poles Carrying Cable Only	1
4. Facing of Poles Carrying Open Wire	2
5. Facing Guy Stubs	4

1. GENERAL

1.01 This section replaces Section G21.135, Issue 1 and includes reference to the use of the B Pull Finder for bisecting corner angles.

2. DEFINITION OF FACE

2.01 The face of a pole is defined as the side of the pole on which the crossarms are attached. If the pole does not carry crossarms, the face is the concave side of the pole. If the pole is practically straight and does not carry crossarms, the face may arbitrarily be designated as either side of the pole in line with the lead.

3. FACING OF POLES CARRYING CABLE ONLY

- 3.01 In straight sections of line, set poles so that the cable bolt hole is at right angles to the direction of the lead.
- 3.02 At strand dead-ends, set poles so that the cable bolt hole is in line with the direction of the lead.
- 3.03 At corners, set the poles so that the direction of the cable bolt hole bisects the corner angle.

4. FACING OF POLES CARRYING OPEN WIRE

4.01 In straight sections of line, set intermediate poles so that adjacent poles will face in opposite directions. In connection with pole replacement work, it is unnecessary to observe this general rule.

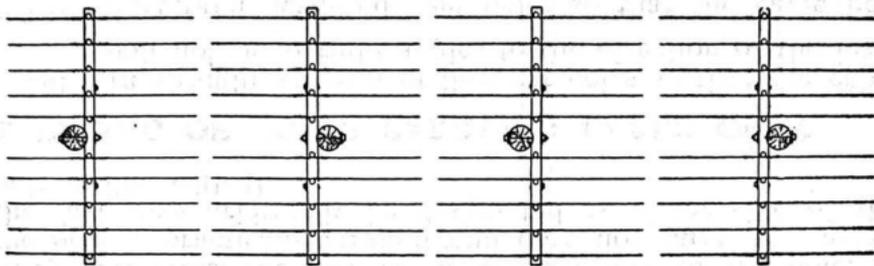


Fig. 1

4.02(a) Face corner poles so that the crossarms will bisect the corner angle at each corner pole (except as noted in 4.02 (b)). At two-pole corners, face the corner poles so that the crossarms will face away from the straight section of line. Crossarms on a straight line pole adjacent to a corner pole shall face toward the corner pole; however, in pole replacement work the replacing pole may be faced in the direction which will permit the easiest transfer of crossarms.

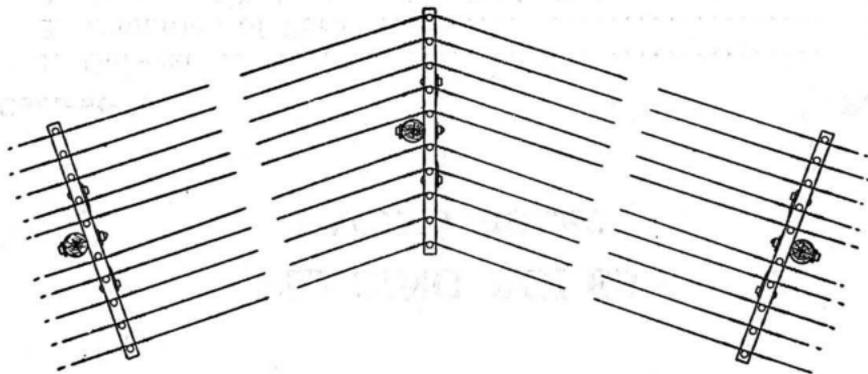


Fig. 2

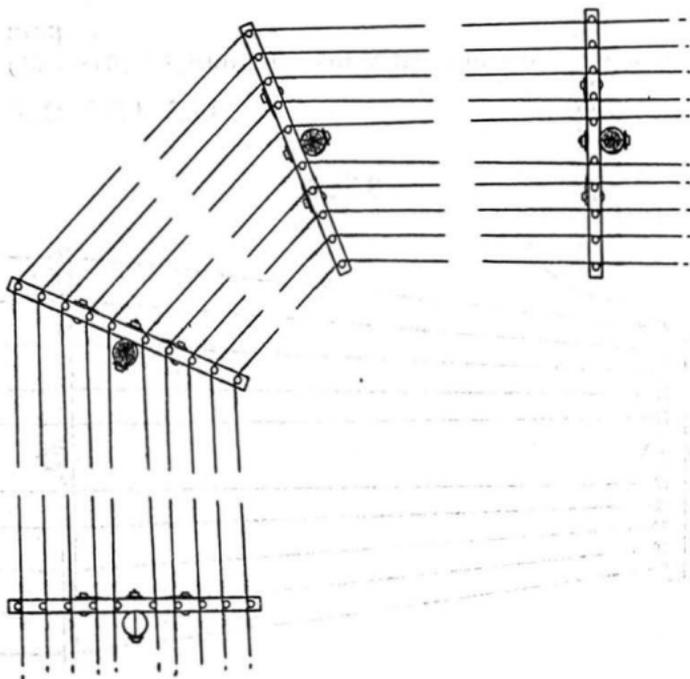


Fig. 3

(b) At corners where double crossarms are used and where head and side guys are required, the crossarms may be placed at right angles to the longer straight section of the line, in order to reduce interference between guys and crossarms.

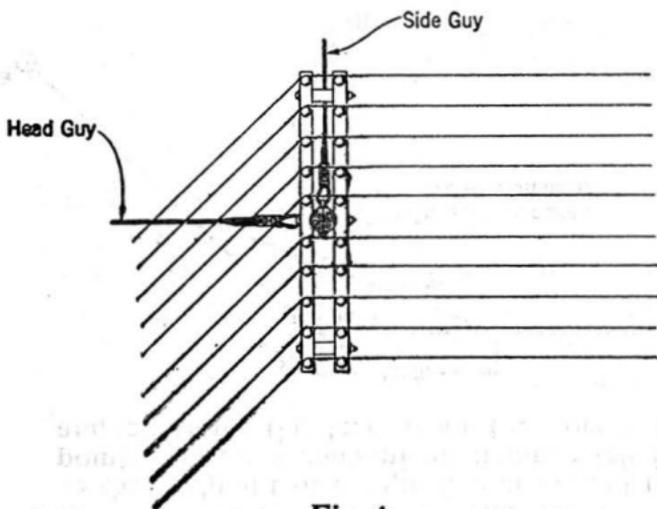


Fig. 4

Note: A crossarm bisects a corner angle when it points to the midpoint of a tape line stretched between two points laid off a convenient distance (50 feet, for example) along the lead from the corner pole.

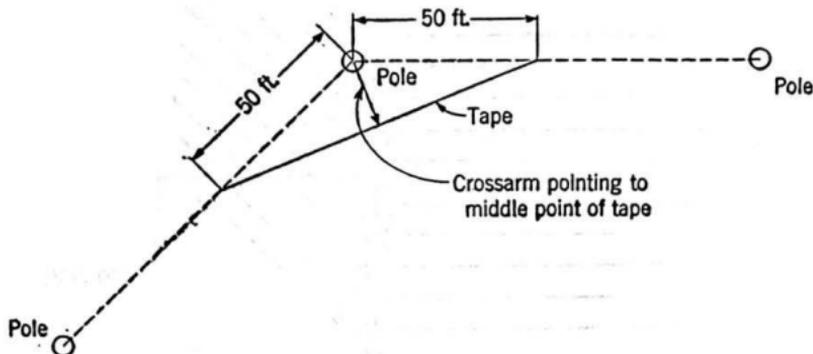


Fig. 5

If a B Pull Finder is available, it will be more convenient to bisect the corner angle by its use, as outlined in the section on "Guying—Definitions."

4.03 At open wire dead-ends, set poles with the face away from the last span. Set the pole next to the dead-end pole with the face toward the last span.

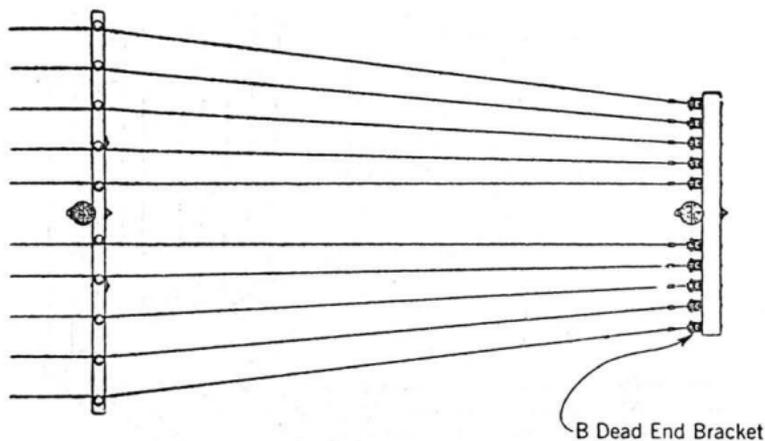


Fig. 6

5. FACING GUY STUBS

5.01 Guy stubs should be set with the face toward the guy anchor.