INTERMEDIATE BRACING

NOTE:
1. Provide panel brace posts and intermediate brace posts that are 2 1/2" x 2 1/2" x 1/2" steel angle sections, 2.1 m in length, weighing not less than 3.9 lb/ft. Line posts are steel "TEE" sections, 6-6" in length, weighing not less than 1.3 lb/ft, and have an anchor plate suffixed to resist movement. Brace posts are 2 2" x 2" x 1/4" steel angle sections. 7" in length, weighing not less than 0.3 lb/ft.
2. All posts and braces have a weather resistant green, baked-on enamel finish which is also resistant to the shocks of driving operations. White paint on the top portion of the posts is optional.
3. Line posts with studded face will be acceptable in lieu of drilled or punched holes.
4. Brace panels will be placed at all corners, ends, intersections, and gates. Brace panel will also be placed at all changes in alignment and grade in excess of 20°. Intermediate brace panels will be placed at uniform intervals of not more than 660'. In addition to brace panel adjacent to the standard gate, an intermediate brace will be placed 33" each side of the gate, except where another brace panel exists within 165' of the gate and gate bracing.
5. Barbed wire conforms to ASTM A 212, Class I, and has two strands of 12 ½ galvanized wire, twisted having two point, double wrap, 14 gauge round barbs maximum of 4" apart. Minimum net weight will be 78 pounds per 80 rod steel.
6. Wire mesh fabric conforms to ASTM A 116, Class I. Fabric is 26" wide, consisting of 7 horizontal wires with vertical cross wires spaced 6" apart. The top and bottom wires are 10 gauge galvanized and the intermediate wires and vertical wires are 12 ½ gauge galvanized.
7. Wire stays are double strand, twisted, 9 ½ gauge galvanized. The wire is a minimum of 9 ½ gauge galvanized. Every strand of barbed wire and every horizontal strand of woven wire mesh fabric is tied to each post according to standard practice.
8. Hardware for attaching braces to posts are 5/8" x 1" galvanized machine bolts and nuts.
9. Concrete conforms to Section 601. Completely cure concrete before wire is stretched.
10. Standard gates are 3-6" high, consisting of 1 1/4 OD galvanized steel tubing frame and vertical braces at midpoint for gates 14" wide or less. Two vertical braces at the knees are required for gates over 14" wide. Woven wire mesh is as specified above, except that cross wires may be either a 5" or 4" spacing, or, alternatively, chain link fabric can be used. Gates have adjustable hinges and a diagonal, adjustable 1/2" galvanized steel sap rod. The latch is a chain with a secure hook on one end, tack welded to the post. All fittings are galvanized.