

**PART 1**      **GENERAL**

**1.1**            **SHOP DRAWINGS**

- .1      Submit shop drawings in accordance with Section 01 33 00.
- .2      Drawings to indicate:
  - .1      Exact location of and number of line posts, corner posts, strainer posts and end posts.
  - .2      Height of posts and extension below surface.

**PART 2**      **PRODUCTS**

**2.1**            **MATERIALS**

- .1      Chain-link fence fabric: to CAN/CGSB-138.1.
  - .1      3.7mm diameter, steel wire, woven in a 50mm mesh, hot dipped galvanized (to an average of 610 g/m<sup>2</sup> after weaving).
  - .2      Height of fabric: 2.44m high.
  - .3      Barbed wire to approval of Departmental Representative.
- .2      Posts, braces and rails: to CAN/CGSB 138.2 galvanized steel pipe.
  - .1      Dimensions are:
    - .1      End posts – 89mm O.D. and 1.067m longer than the height of fabric.
    - .2      Line posts – 60mm O.D. and 0.838m longer than height of fabric and spaced at 2.4m.
    - .3      Bracing – 43mm O.D.
    - .4      Railing – 43mm O.D. top and bottom
  - .2      Acceptable material: schedule 40 steel pipe, galvanized.
  - .3      Tie wire fasteners: 3.7mm diameter aluminum.
  - .4      Fittings:
    - .1      Tension bars, tension bands, brace bands, rail ends to be fabricated from hot dipped galvanized pressed steel.

**PART 3**      **EXECUTION**

**3.1**            **PREPARATION**

- .1      Inspect area for fence location to determine appropriate attachment methods.
- .2      Remove trees, vegetation, overburden and/or rock material, as required for installation of concrete footings.

**3.2 ERECTION**

- .1 Erect fence along lines as directed by Departmental Representative and in accordance with CAN/CGSB-138.3.
- .2 Install line and end posts as indicated on drawings.
- .3 Space line posts to accommodate a spacing of 2.4m C.C, measured parallel to the ground surface.
- .4 Install brace between end and nearest line post, placed in centre of panel and parallel to ground surface. Install braces on both sides of line posts in similar manner.
- .5 Install overhang top and caps.
- .6 Install top rail between posts and fasten securely to posts and secure waterproof caps and overhang tops.
- .7 Lay out fence fabric. Stretch tightly to tension recommended by manufacturer and fasten to end and line posts with tension bar secured to post with tension bar bands spaced at 300mm intervals. Knuckled selvage at bottom. Twisted selvage at top.
- .8 Secure fabric to rails, line posts and bottom tension wire with tie wires at 450mm intervals. Give tie wires minimum of two twists.

**3.3 TOUCH-UP**

- .1 Clean damaged surfaces with wire brush removing loose and cracked coatings. Apply two coats of organic zinc-rich paint to damaged areas. Pre-treat damaged surfaces according to manufacturers' instructions for zinc-rich paint.

**3.4 CLEANING**

- .1 Clean and trim areas distributed by operations. Dispose of surplus material as directed by Departmental Representative.

**END OF SECTION**