Barbed wires shall be tied to each post. Top and bottom wires of woven fence shall be tied to each post. Tie every other wire between, alternating on successive posts.

Barbed wires and line wires of woven fence shall be be fastened to the corner, end, pull, and gate posts by wrapping the wires around the post and tying back on itself with not less than 3 twists tightly wrapped.

**GENERAL NOTES**

Pull posts shall be placed at the locations determined by the Engineer. They shall be placed at 660' (200 m) intervals between posts to which the ends of the fabric and barbed wires are fastened or midway between such posts when the distance is less than 1320' (400 m) and greater than 660' (200 m).

Bracing for gate posts shall be the same type used for end posts.

The clearance between the bottom fence wire and the ground may be up to 3 (75) for a maximum distance of 8' (2.4 m) when uneven ground is encountered.

All dimensions are in inches (millimeters) unless otherwise shown.
SINGLE OR DOUBLE GATE

PULL POST

LINE POST

CORNER OR END POST

NOTES

Barbed wires shall be stapled to each post. Top and bottom wire of woven fence shall be stapled to each post. Staple every other wire between, alternating on successive posts.

Metal line posts may be used in lieu of wood line posts.
### METAL ITEMS

<table>
<thead>
<tr>
<th>Section</th>
<th>lbs./ft. (kg/m)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Type A: Pipe 1.66 (42.2) O.D.</td>
<td>2.27 (3.38)</td>
<td>Type B: Pipe 2.375 (60.3) O.D.</td>
<td>3.65 (5.43)</td>
<td>Type A: Pipe 3.155 (79.6) O.D.</td>
<td>1.68 (2.50)</td>
<td>Type A: Pipe 1.66 (42.2) O.D.</td>
<td>2.27 (3.38)</td>
</tr>
<tr>
<td>Type B: Pipe 1.66 (42.2) O.D.</td>
<td>1.85 (2.72)</td>
<td>Type C: Pipe 2.375 (60.3) O.D.</td>
<td>3.11 (4.63)</td>
<td>Type B: Pipe 3.155 (79.6) O.D.</td>
<td>1.34 (1.99)</td>
<td>Type B: Pipe 1.66 (42.2) O.D.</td>
<td>1.85 (2.72)</td>
</tr>
<tr>
<td>Type C: Pipe 1.66 (42.2) O.D.</td>
<td>1.82 (2.71)</td>
<td>Tubing 2.5 (63.5) Sq.</td>
<td>3.09 (4.60)</td>
<td>Type C: Pipe 3.155 (79.6) O.D.</td>
<td>1.33 (1.98)</td>
<td>Type C: Pipe 1.66 (42.2) O.D.</td>
<td>1.82 (2.71)</td>
</tr>
<tr>
<td>Angle 2(^{\circ})2(^{\circ})2(^{\circ}) (64x64x6.4)</td>
<td>4.37 (6.43)</td>
<td>Tubing 1 (25.4) Sq.</td>
<td>4.1 (6.10)</td>
<td>L, C, T, U, Y</td>
<td>1.33 (1.98) min.</td>
<td>or other approved structural shapes</td>
<td>3.1 (4.61) min.</td>
</tr>
<tr>
<td>H, I, L, structural shapes</td>
<td>4.1 (6.10) min.</td>
<td>or other approved structural shapes</td>
<td>4.1 (6.10)</td>
<td>or other approved structural shapes</td>
<td>4.1 (6.10)</td>
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### METAL ITEMS

#### GATE POSTS

<table>
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<tr>
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<tbody>
<tr>
<td>Type A: Pipe 2.375 (60.3) O.D.</td>
<td>3.65 (5.43)</td>
<td>Type B: Pipe 2.375 (60.3) O.D.</td>
<td>3.11 (4.63)</td>
<td>Type A: Pipe 3.155 (79.6) O.D.</td>
<td>5.79 (8.62)</td>
<td>Type A: Pipe 1.66 (42.2) O.D.</td>
<td>7.58 (11.28)</td>
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<td>Type B: Pipe 2.375 (60.3) O.D.</td>
<td>3.11 (4.63)</td>
<td>Type C: Pipe 2.375 (60.3) O.D.</td>
<td>3.09 (4.60)</td>
<td>Type B: Pipe 3.155 (79.6) O.D.</td>
<td>3.78 (5.63)</td>
<td>Type B: Pipe 1.66 (42.2) O.D.</td>
<td>8.80 (13.10)</td>
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<tr>
<td>Type C: Pipe 2.375 (60.3) O.D.</td>
<td>3.09 (4.60)</td>
<td>Tubing 2.5 (63.5) Sq.</td>
<td>3.76 (5.66)</td>
<td>Type C: Pipe 3.155 (79.6) O.D.</td>
<td>5.79 (8.62)</td>
<td>Type C: Pipe 1.66 (42.2) O.D.</td>
<td>8.5 (10.70)</td>
</tr>
<tr>
<td>Angle 2(^{\circ})2(^{\circ})2(^{\circ}) (64x64x6.4)</td>
<td>4.32 (6.43)</td>
<td>Tubing 1 (25.4) Sq.</td>
<td>3(^{x})(^{x})(^{x}) (76x76x7.9)</td>
<td>Type C: Pipe 3.155 (79.6) O.D.</td>
<td>6.1 (9.08)</td>
<td>Type C: Pipe 1.66 (42.2) O.D.</td>
<td>8.5 (10.70) min.</td>
</tr>
<tr>
<td>H, I, L, structural shapes</td>
<td>4.1 (6.10) min.</td>
<td>H, I, L, structural shapes</td>
<td>4.1 (6.10) min.</td>
<td>or other approved structural shapes</td>
<td>4.1 (6.10)</td>
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#### WOOD ITEMS

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</tr>
</thead>
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<tr>
<td>Type A: Pipe 2.375 (60.3) O.D.</td>
<td>2.875 (73.0) O.D.</td>
<td>Type B: Pipe 2.375 (60.3) O.D.</td>
<td>2.875 (73.0) O.D.</td>
<td>Type A: Pipe 3.155 (79.6) O.D.</td>
<td>7 (99)</td>
</tr>
<tr>
<td>Type B: Pipe 2.375 (60.3) O.D.</td>
<td>2.875 (73.0) O.D.</td>
<td>Type C: Pipe 2.375 (60.3) O.D.</td>
<td>2.875 (73.0) O.D.</td>
<td>Type B: Pipe 3.155 (79.6) O.D.</td>
<td>3 (79.2) Sq.</td>
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<tr>
<td>Type C: Pipe 2.375 (60.3) O.D.</td>
<td>2.875 (73.0) O.D.</td>
<td>Tubing 2.5 (63.5) Sq.</td>
<td>3 (79.2) Sq.</td>
<td>Type C: Pipe 3.155 (79.6) O.D.</td>
<td>3(^{x})(^{x})(^{x}) (76x76x5.9)</td>
</tr>
<tr>
<td>Tubing 2.5 (63.5) Sq.</td>
<td>3 (79.2) Sq.</td>
<td>Angle 2(^{\circ})2(^{\circ})2(^{\circ}) (64x64x6.4)</td>
<td>6.1 (9.08)</td>
<td>Type C: Pipe 3.155 (79.6) O.D.</td>
<td>8.5 (10.70)</td>
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### WOVEN WIRE FENCE

**ENGINEER OF POLICY AND PROCEDURES**

**APPROVED**

**ISSUED**

**PASSED**

**STANDARD 665001-02**
Concrete Ledge

Ground line

**When X exceeds 12 (300), 18 (450), or 30 (760), Y shall be decreased correspondingly.**

When X is 0 to 12 (300), 18 (450), or 30 (760), X + Y shall not exceed 27 (685), 33 (840), or 3'-9" (1.14 m) max. + 3 (75) min.

**NOTE**

Post dimension

Grout

Toe of slope

End post assembly

Extra length posts where necessary

**NOTE**

The woven wire fabric shall be replaced by Barbed wire strands at 12 (300) maximum centers between the double posts shown on DETAIL A A as shown on the plans.

**INSTALLATION OVER STREAM**

Where grade line has a change in slope of 15° or more, a corner post with bracing as required shall be placed as shown above. Where angle is less than 15° line posts may be used.

When the tension of the fence tends to pull the posts from the ground, the line posts shall be anchored with the applicable concrete or wood anchorage specified for corner posts.

**INSTALLATION AROUND HEADWALL**

Wood or metal line post

Metal end post not centered in concrete

**DETAIL A**

Metal post substituted for wood line post

Barbed wire

Other wire fence

**PROTECTIVE ELECTRICAL GROUNDING FOR WOOD POST FENCE INSTALLATION**

R.O.W.

Wood or metal line post

Metal end post not centered in concrete

**INSTALLATION ON SLOPES**

Metal post substituted for wood line post

Barbed wire

Other wire fence

**NOTE**

Where grade line has a change in slope of 15° or more, a corner post with bracing as required shall be placed as shown above. Where angle is less than 15° line posts may be used.

When the tension of the fence tends to pull the posts from the ground, the line posts shall be anchored with the applicable concrete or wood anchorage specified for corner posts.