**MATERIALS SPECIFICATIONS**

- **FABRIC** - 2 in. [50] by 2 in. [50] mesh meeting the requirements of AASHTO M181 or gage and selvage shown below:
  - Fence Height under 6 ft [1.8 m]: 11 Gage [3 thick] Fabric
  - Fence Height 6 ft [1.8 m] and over: 8 Gage [2.1 thick] Fabric

- **FENCE HEIGHT** under 6 ft [1.8 m]:
  - Top & Bottom knucked selavage
  - Knuckled selvage

- **KNUCKLED SELVAGE**

- **FABRIC LOCK-ON LOOPS**

- **STRETCHER BARS** - for securing the fence fabric:

- **TENSION NAILS** - 7 gage [4.5 thick] galvanized cold roll spring wire meeting AASHTO M181. Provide an eye to eye turnbuckle for each run of tension wire as a tightening device. Secure tension wires to end posts and middle brace posts with turnbuckle bands.

- **TRUSS RODS** - 36 in [10] diameter galvanized steel rod with an industrial twist lighter or turnbuckle for tensioning devices.

- **CONCRETE CYLINDER ANCHORS** - (for posts) Class B concrete or better.

- **BRACE RAIL END CONNECTION CLIPS** - (use for brace rails) fit tightly on the brace rail and made from pressed steel only.

- **POST CLIPS** - for all pipe posts and certain roll-formed C-posts. Provide eye-to-eye caps for all posts carrying a tension wire top or top rail (only when permitted by the plan) through the post. Provide rounded tops for all other round posts. Where a bared wire top is specified, provide a 45 degree 3-wire bared base with eye hole at base for all post styles except at end posts (see bared wire top detail, sheet 1). Post caps to fit tightly on posts to prevent removal.

- **BRACE BANDS** - use for brace rails and brace rail heavy duty, 1/8 in x 1 in [3.2 x 25] pressed steel with a 3/8 in x 1 1/4 in [10 x 32] carriage bolt. Provide brace bands for tension wire - standard 12 gage x 3/4 in [2.0 x 20] pressed steel with a 5/16 in x 1 1/4 in [8 x 32] carriage bolt.

- **TENSION BANDS** - use to secure the fabric stretch or bolt. 14 gage x 3/4 in [2.0 x 20] pressed steel with a 5/16 in x 1 1/4 in [8 x 32] carriage bolt.

**ALTERNATIVE HIGH STRENGTH PIPE DIMENSIONS, WEIGHTS AND MAXIMUM TOLERANCES (ASTM A120)**

**STANDARD PIPE DIMENSIONS, WEIGHTS AND MAXIMUM TOLERANCES (ASTM A120)**

<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>SIZE</th>
<th>WALL THICKNESS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4</td>
<td>30</td>
<td>0.111</td>
<td>0.99</td>
</tr>
<tr>
<td>1 1/2</td>
<td>30</td>
<td>0.153</td>
<td>1.38</td>
</tr>
<tr>
<td>2</td>
<td>30</td>
<td>0.195</td>
<td>2.26</td>
</tr>
</tbody>
</table>

**WYOMING DEPARTMENT OF TRANSPORTATION**

**INDUSTRIAL FENCE COMPONENTS**

**INDUSTRIAL FENCE STANDARD PLAN**

**NOTE:** Units shown in brackets [ ] are metric and are in millimeters [mm] unless otherwise are shown.