# Wire Spacing Table

## Combination Woven Wire & Barbed Wire Fence

<table>
<thead>
<tr>
<th>48&quot; [1200] Fence Height</th>
<th>51&quot; [1300] Fence Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>32&quot; [813] WW-2 BW *</td>
<td>32&quot; [813] WW-3 BW *</td>
</tr>
<tr>
<td><strong>TYPE F2-32WW [813WW]</strong></td>
<td><strong>TYPE F3-32WW [813WW]</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BARBED WIRE FENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot; [1200] Fence Height</td>
</tr>
<tr>
<td>3 RW</td>
</tr>
<tr>
<td><strong>TYPE F3</strong></td>
</tr>
</tbody>
</table>

**Approximate weight of 32" [813] woven wire fabric (832.5 - 12 1/2) per 20 Rod (100 m) roll is 150 lb. (68 kg) / 15 lb. (6.8 kg). (Note: 12 1/2 gauge) **

* Denotes staple and/or tie locations

Other woven wire heights and number of barbed wire combinations are available.

## Stays

1. Use wire stays on all fences unless wood stays are specified.
2. Locate stays halfway between line posts.
3. Wire stays for barbed wire fencing are 2" [50] longer than the distance between the top and bottom wires.
4. For woven wire fencing with barbed wire on top, extend wire stays 6" [150] minimum below the top of the woven wire.
5. When wood stays are specified, use either 2" [50] round, a rough dimension 2" x 2" [50 x 50], or 4 1/2" x 3 1/2" [112.5 x 87.5] (nominal 2" x 4" [50 x 100]) the stake must be of sufficient length to be placed on the ground with the top of the stay extending 2" [50] above the top wire. Attach each wire to the wood stays using 3 3/4" x 9 gauge staples. Wood stays do not need to be treated.

## Notes:

1. Staple the bottom, top, center and alternate wires of woven wire to wood line posts.
2. Tie the bottom, top, center and alternate wires of woven wire to steel line posts.
3. Staple all wires of woven wire to wood corner posts or posts used to tie-off wire.
4. "M" denotes metal posts, i.e. type F3M.
5. "W" denotes wood posts, i.e. type F4W.

## Detailed Drawing

<table>
<thead>
<tr>
<th>Reference</th>
<th>DWG. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Spec.</td>
<td>Section 607</td>
</tr>
</tbody>
</table>

Farm Fence

Units shown in brackets ( ) are metric and are in millimeters (mm) unless other units are shown.
WILDLIFE FRIENDLY FENCE

WIRE SPACING TABLE

<table>
<thead>
<tr>
<th>WILDLIFE-FRIENDLY FARM FENCE TYPE 1 &amp; 4</th>
<th>WILDLIFE-FRIENDLY FARM FENCE TYPE 2 &amp; 5</th>
<th>WILDLIFE-FRIENDLY FARM FENCE TYPE 3 &amp; 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>42&quot; (1050) FENCE HEIGHT</td>
<td>42&quot; (1050) FENCE HEIGHT</td>
<td>42&quot; (1050) FENCE HEIGHT</td>
</tr>
<tr>
<td>WF-2 BW/2 SW-16 &amp; WF-2 BW/2 SW-12</td>
<td>WF-3 BW/1 SW-16 &amp; WF-3 BW/1 SW-12</td>
<td>WF-4 BW/16 &amp; WF-4 BW/12</td>
</tr>
<tr>
<td>TYPE WF-4-SB85-16 &amp; TYPE WF-4-SB85-12</td>
<td>TYPE WF-4-SB85-16 &amp; TYPE WF-4-SB85-12</td>
<td>TYPE WF-4-AB-16 &amp; TYPE WF-4-AB-12</td>
</tr>
</tbody>
</table>

SMOOTH WIRE (12 1/2 GAUGE)

BARBED WIRE (12 1/2 GAUGE)

12" [300]

BARRED WIRE (12 1/2 GAUGE)

A

B

A

B

12" [300]

* DENOTES STAPLE AND/OR TIE LOCATIONS

BOTTOM WIRE HEIGHT

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WIRE SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

NOTES:
1. "M" DENOTES METAL POSTS, IE. TYPE WF4M.
   "W" DENOTES WOOD POSTS, IE. TYPE WF4W.
2. SEE DTL. DWG. NO. 607-05, 607-10, AND 607-15 FOR ADDITIONAL FENCING DETAILS.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.
WOOD FARM ENTRANCE GATE (TYPE G-1)

NOTE: USE 10D NAILS AND CLINCH FOR GATE CONSTRUCTION.

INSTALL GATE CLOSURE (LATCH)
AS SHOWN, OR ALTERNATE DEVICE
AS APPROVED BY THE PROJECT MANAGER

WIRE FARM ENTRANCE GATE (TYPE G-2)

NOTE: USE SAME WIRE SCHEME ON GATE
AS THAT USED ON FENCE UNLESS
STATED OTHERWISE IN R/W AGREEMENT.

METAL FARM ENTRANCE GATE (TYPE G-3)

NOTES:

1. ALL GATES ARE 16'-0" [4800] WIDE UNLESS R/W
   AGREEMENT STATES OTHERWISE.

2. ALL GATES WILL HAVE A SINGLE OR DOUBLE
   PANEL AT EACH END.

3. TYPE G-3 GATES ARE AVAILABLE IN WIDTHS
   FROM 4' [1.2 m] TO 20' [6.0 m] IN 2' [0.6 m]
   INCREMENTS.

UNITS SHOWN IN BRACKETS [ ] ARE
METRIC AND ARE IN MILLIMETERS (mm)
UNLESS OTHER UNITS ARE SHOWN.
<table>
<thead>
<tr>
<th>FENCE TYPE</th>
<th>RUN = L (m)</th>
<th>PANELS REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMBINATION WOVEN/BARBED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LESS THAN 33'</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>33' - 80'</td>
<td>SINGLE</td>
<td></td>
</tr>
<tr>
<td>OVER 80' TO 660' MAX.</td>
<td>DOUBLE</td>
<td></td>
</tr>
<tr>
<td>BARBED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LESS THAN 66'</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>66 - 660'</td>
<td>SINGLE</td>
<td></td>
</tr>
<tr>
<td>OVER 660' TO 990' MAX.</td>
<td>DOUBLE</td>
<td></td>
</tr>
</tbody>
</table>

**TIE OFF POINT**

- SELECT PANEL TYPE AT FENCE CORNER OR ANGLE BREAK BASED ON FENCE RUN LENGTH.

**FENCE PANEL TYPES**

1. LIMIT RUN LENGTHS IN POOR SOIL CONDITIONS TO REDUCE RESULTING TENSION AT CORNER OR ANGLE BREAK PANELS.
2. TIE OFF ON ALL CROSS HATCHED OR SHADED POSTS.

**NOTES:**

1. ATTACH BARBED WIRES TO POSTS BY WRAPPING AROUND THE POST AT LEAST TWO TIMES, THEN WRAPPING AROUND ITSELF FIVE TIMES.
2. TO ATTACH WOVEN WIRES TO AN END POST, REMOVE TWO OR THREE VERTICAL STAY WIRES FROM THE END OF THE FENCE. PLACE THE FIRST COMPLETE VERTICAL STAY WIRE AGAINST THE POST START AT THE MIDDLE OF THE HORIZONTAL LINE WIRES, WRAPPING AROUND THE END POST AT LEAST TWO TIMES AND THEN WRAPPING AROUND ITSELF FIVE TIMES.
3. PLACE ALL FENCE WIRE ON PASTURE SIDE OF POST, EXCEPT ON CURVES. THEN, PLACE THE WIRE ON THE OUTSIDE OF THE CURVE.
4. IN AREAS SUBJECT TO HIGH VELOCITY WINDS AND MOVING DEBRIS, WIRES MAY BE PLACED ON WINDWARD SIDE OF POSTS, EXCEPT ON CURVES.
5. POST SPACING IS GENERALLY MEASURED PARALLEL TO GROUND.
6. PLACE WIRE STAYS PER DTL DWG. NO. 607-00 HALFWAY BETWEEN POSTS. DO NOT PLACE STAYS ON PANELS.
7. WOOD FENCE HAS ONE METAL POST IN PLACE OF A WOODEN LINE POST IN EACH 500' (150 m) RUN FOR LIGHTNING PROTECTION.

**UNITS SHOWN IN BRACKETS [ ] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.**
MDT R/W
PASTURE

MDT R/W
PASTURE

MDT R/W
PASTURE

TREATED 2X6'S [50 x 150]

18' [450]

18' [450]

SEE NOTE

SPAN TREATED 2X6'S [50 x 150] ACROSS GAP ON PASTURE SIDE OF POSTS. ATTACH TO PANEL POSTS WITH TWO 3" EXTERIOR GRADE SCREWS ON EACH END AND TRIM EDGES AT 45 DEGREE ANGLES.

NOTES:

1. INSTALL PANELS ACCORDING TO DETAIL DRAWING 607-05.
2. INSTALL NON-INTERSTATE FENCE ON THE RIGHT-OF-WAY LINE AS SHOWN.
3. OFFSET PANEL POSTS 18' (450mm) FROM STAKED R/W BREAKS AND R/W MONUMENTS AS SHOWN IN DETAIL.
4. DO NOT DISTURB SURVEY MONUMENTS.
5. INCLUDE COST OF 2 x 6 [50 x 150] CROSS RAILS IN THE COST OF ADJACENT PANELS.

UNITS SHOWN IN BRACKETS [ ] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.