**WIRE SPACING TABLE**

<table>
<thead>
<tr>
<th>COMBINATION WOVEN WIRE &amp; BARBED WIRE FENCE</th>
<th>BARBED WIRE FENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot; [1200] FENCE HEIGHT</td>
<td>51&quot; [1280] FENCE HEIGHT</td>
</tr>
<tr>
<td>32&quot; [813] WW-2 BW *</td>
<td>32&quot; [813] WW-3 BW *</td>
</tr>
<tr>
<td>TYPE F2-32WW [813WW]</td>
<td>TYPE F2-32WW [813WW]</td>
</tr>
<tr>
<td><strong>4&quot; [100]</strong></td>
<td><strong>5&quot; [125]</strong></td>
</tr>
<tr>
<td><strong>4 1/2&quot; [115]</strong></td>
<td><strong>6&quot; [150]</strong></td>
</tr>
<tr>
<td><strong>4 3/4&quot; [115]</strong></td>
<td><strong>6 1/2&quot; [150]</strong></td>
</tr>
<tr>
<td><strong>5&quot; [125]</strong></td>
<td><strong>7&quot; [180]</strong></td>
</tr>
<tr>
<td><strong>5 1/2&quot; [140]</strong></td>
<td><strong>7 1/2&quot; [180]</strong></td>
</tr>
<tr>
<td><strong>6&quot; [150]</strong></td>
<td><strong>8&quot; [200]</strong></td>
</tr>
<tr>
<td><strong>7&quot; [180]</strong></td>
<td><strong>8 1/2&quot; [200]</strong></td>
</tr>
<tr>
<td><strong>8&quot; [200]</strong></td>
<td><strong>10&quot; [250]</strong></td>
</tr>
<tr>
<td><strong>8 1/2&quot; [200]</strong></td>
<td><strong>10 1/2&quot; [250]</strong></td>
</tr>
<tr>
<td><strong>9&quot; [225]</strong></td>
<td><strong>12&quot; [300]</strong></td>
</tr>
<tr>
<td><strong>9 1/2&quot; [225]</strong></td>
<td><strong>12 1/2&quot; [300]</strong></td>
</tr>
<tr>
<td><strong>10&quot; [250]</strong></td>
<td><strong>16&quot; [400]</strong></td>
</tr>
<tr>
<td><strong>10 1/2&quot; [250]</strong></td>
<td><strong>16 1/2&quot; [400]</strong></td>
</tr>
<tr>
<td><strong>12&quot; [300]</strong></td>
<td><strong>18&quot; [450]</strong></td>
</tr>
<tr>
<td><strong>12 1/2&quot; [300]</strong></td>
<td><strong>24&quot; [600]</strong></td>
</tr>
<tr>
<td><strong>16&quot; [400]</strong></td>
<td><strong>30&quot; [750]</strong></td>
</tr>
<tr>
<td><strong>18&quot; [450]</strong></td>
<td><strong>36&quot; [900]</strong></td>
</tr>
<tr>
<td><strong>24&quot; [600]</strong></td>
<td><strong>48&quot; [1200]</strong></td>
</tr>
</tbody>
</table>

**TABLE NOTES:**

- 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 barred wire fencing are 2" (50) longer than the distance between the top and bottom wires.
4. For woven wire fencing with barred 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 a 4 1/2" x 3 1/2" [57.5 x 87.5] (nominal 4 1/2" x 3 1/2" [50 x 100]). The stay 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 1/4" [84] 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.
   "W" denotes wood posts, i.e., type F4W.
5. See DTL. DWG. NO. 607-05, 607-10, and 607-15 for additional fencing details.

**DETAILED DRAWING**

**REFERENCE**

STANDARD SPEC.

SECTION 607

**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 BR-12</td>
</tr>
<tr>
<td>TYPE WF4-S885-16 &amp; TYPE WF4-S885-12</td>
<td>TYPE WF4-385-16 &amp; TYPE WF4-385-12</td>
<td>TYPE WF4-AB-16 &amp; TYPE WF4-AB-12</td>
</tr>
</tbody>
</table>

SMOOTH WIRE (12 1/2 GAUGE)
BARBED WIRE (12 1/2 GAUGE)
SMOOTH WIRE (12 1/2 GAUGE)

| A | 12" [300] |
| B |           |

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

* DENOTES STAPLE AND/OR TIE LOCATIONS

WILDLIFE FRIENDLY FENCE

NOTES:

1. "M" DENOTES METAL POSTS, IE. TYPE WF4M.
2. "W" DENOTES WOOD POSTS, IE. TYPE WF4W.
3. 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.

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'-0" [1200] to 20'-0" [6000] in 2'-0" [600] increments.
DIRECTION OF PULL
WIRE BRACING TWISTED

7'-0"
4'-6"
2'-6"
8'-3" 

8'-3" 
16'-6"
8'-0"
16'-6"
3'-6"
8'-0"
16'-6"
3'-6"

8'-3"

WOOD SINGLE PANEL
WOOD DOUBLE PANEL
METAL LINE POST
FENCE PANEL
LEVERS
POINT OF CROSSING
WEAVE WIRE AT
DO NOT INTER-

RUN OF LESS THAN 330' [100 m].
VERTICAL ALIGNMENT OR PANELS ON A
FOR PULLING, STRETCHING, CHANGES IN
OR 5" [125] SQ. SAWN
8'-0" x 5"
WOOD POSTS-
4" [100] SQ. SAWN
4" [100] ROUND OR
BRACE BAND DETAIL
ALTERNATE PANEL BRACING
STEEL POST DOUBLE PANEL BRACING
STEEL POST SINGLE PANEL BRACING

DETAIL "A"
DETAIL "B"
DETAIL "C"
DETAIL "D"

METAL LINE POST
WIRE STAY

SINGLE WOOD PANEL
FOR PULLING, STRETCHING, CHANGES IN VERTICAL ALIGNMENT OR PANELS ON A RUN OF LESS THAN 330' [100 m].

DOUBLE WOOD PANEL
FOR COMBINED PULLING, STRETCHING, AND CHANGES IN HORIZONTAL ALIGNMENT.

STAPLE
9 GAUGE
ON DETAIL "A".
IN ACCORDANCE WITH NOTES BRACE WIRES AND LEVERS 
FURNISH AND INSTALL AND CHANGES IN HORIZONTAL ALIGNMENT.
LEVERS - 1 1/2" x 2" x 12" [37.5 x 50 x 300] MINIMUM SIZE.
LEAVE IN PLACE AFTER TWISTING LEVERS - 1 1/2" x 2" x 12" [37.5 x 50 x 300] MINIMUM SIZE.
THEN WRAPPING AROUND ITSELF FIVE TIMES.
POSTS BY WRAPPING AROUND THE POST AT LEAST TWO TIMES AND DOUBLED TO FORM A FOUR WIRE BRACE. ATTACH BRACE WIRES TO POSTS BY WRAPPING AROUND ITSELF FIVE TIMES.
LEVERS - 1 1/2" x 2" x 12" [37.5 x 50 x 300] MINIMUM SIZE.
LEAVE IN PLACE AFTER TWISTING

POSTS AND NOT NOTCHED 
FIELD SIZE DEVIATION IS 3/32" [0.5]
FUNCTION AND INSTALL 
BRACE WIRES AND LEVERS.
ADOPT NOTES ON DETAIL "C".

INSTALL A 20" x 3/8" [500 x 9.5] GALV. NAILS.
WITH 4 ~ 20d NAIL TO POST

3/8" BOLT 
A HOLE IN THE FLATTENED PART FOR THE ENDS OF THE BRACE RAILS AND DRILL/PUNCH FLATTEN APPROXIMATELY 1 1/2" OF BOTH ENDS OF THE BRACE RAILS AND DRILL/PUNCH A HOLE IN THE FLATTENED PART FOR THE HP BOLT

PLATERS APPROXIMATELY 1 1/2" OP BUS 
ENDS OF THE BRACE RAILS AND DRILL/PUNCH A HOLE IN THE FLATTENED PART FOR THE HP BOLT

NOTES:
1. SEE THE SPECIFICATIONS FOR POST AND WIRE REQUIREMENTS
2. LINE POST SPACING IS 16'-0"SIDES TO CENTER, LINE POST SPACING FROM BRACE OR PANEL, POST IS IN 16'-0" [5000] CENTER TO CENTER
3. SEE SUBSECTION 712.01.5.
4. DETAIL "C" - STEEL POST DOUBLE PANEL BRACING
5. DETAIL "D" - STEEL POST SINGLE PANEL BRACING

UNITS SHOWN IN BRACKETS [ ] ARE METRIC AND ARE IN MILLIMETERS UNLESS OTHER UNITS ARE SHOWN.
UNLESS OTHER UNITS ARE SHOWN.
### Fence Details

<table>
<thead>
<tr>
<th>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 10</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>10 - 100</td>
<td>Single</td>
<td></td>
</tr>
<tr>
<td>Over 100</td>
<td>Double</td>
<td></td>
</tr>
<tr>
<td>Barbed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 20</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>20 - 200</td>
<td>Single</td>
<td></td>
</tr>
<tr>
<td>Over 200</td>
<td>Double</td>
<td></td>
</tr>
</tbody>
</table>

**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 wire 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.

| 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.

Units shown in brackets [ ] are metric and are in millimeters (mm) unless other units are shown.
FENCE DETAILS

1. Terminate fence on deep slope.
2. Change in R/W width on interstate.
3. Fencing layout at cross-fence connection.
4. Fencing layout at cattle guard.
5. Fencing layout on sharp vertical curves.
6. Alternate deadman.

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

DETAILED DRAWING

REFERENCE  Dwg No.  607-15

SECTION  607  

MDTX MONTANA DEPARTMENT OF TRANSPORTATION
Fence Details

For Interstate Fencing Only:

* One foot offset applies to interstate fencing only.

6" [150] Dia Posts

4'-6" [1370] Max Spacing

Max Rail Length 10'-6" [3200]

Rail Notching

Cut railing to match slope of RCB Inlet

At points of contact with posts, notch rails to a depth of 2" [50] min.

Attach rails to posts using one 6" [150] ringed nail

Wood items will be treated with one 6" [150] ringed nail

Note: All poles, posts, rails, or wood items will be treated

X-SEC View

X-SEC View

UP-SLOPE FENCE LAYOUT AT CORRUGATED STEEL PIPE (CSP) STOCKPASS

UP-SLOPE FENCE LAYOUT AT CORRUGATED STEEL PIPE (CSP) STOCKPASS

Fence Layout for Reinforced Concrete Box (RCB) Stockpass

Fence Layout for Reinforced Concrete Box (RCB) Stockpass

7'-0" [2130] X-SEC View

7'-0" [2130] X-SEC View

Note: All poles, posts, rails, or wood items will be treated

Units shown in brackets (I) are inches and are in millimeters (mm) unless other units are shown.
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.
TURNBUCKLE END POST

INTO THE CONCRETE BLOCK AT LEAST SIX INCHES.

A DROP BAR LOCKING DEVICE IS REQUIRED FOR ALL DOUBLE GATE SAME AS CORNER BRACING.

PULL POST BRACING ON 6' [1.8 m] AND 8' [2.4 m] FENCE IS THE CURVE ENDS.

FOR EACH 10° OF DEFLECTION, EVENLY SPACED, BETWEEN PANEL ON EACH CURVE END, PLUS ONE ADDITIONAL PANEL CURVES WITH RADII SHARPER THAN 1150' [350 m], INSTALL A DOUBLE TANGENTS OR MORE THAN 250' [75 m] APART ON ANY CURVE. FOR DO NOT INSTALL DOUBLE PANELS MORE THAN 300' [90 m] APART ON TENSION WIRE.

TENSION WIRE  SEE SECTION 712.01.4

FABRIC SELVAGE  SEE SECTION 712.01.4

CABLE TURNBUCKLE  SEE SECTION 712.01.4

IN THE AREA OF TRANSPORTATION

GENERAL NOTES

NOTE:
1. DO NOT INSTALL DOUBLE PANELS MORE THAN 300' [90 m] APART ON TENSION WIRE 300' [180 m] AWAY FROM CURVES WITH RADIUS SHARPER THAN 1500' [457 m]. INSTALL A DOUBLE PANEL ON EACH CURVE AND PLACE ONE ADDITIONAL PANEL FOR EACH 10° OF DEVIATION, EVERY 10' SPACE BETWEEN THE CURVE POSTS.
2. ALL CONCRETE IS LEAN OR BETTER.
4. PROVIDE EYE-TOP CAPS FOR ALL POSTS. PROVIDE ROUNDED TOPS FOR ALL ROUND POSTS.
5. FABRIC SELVAGE TOP AND BOTTOM KNUCKLED SELVAGE.
6. BRACE BANDS  SEE SECTION 712.01.3
7. BRACE BAND DETAIL  SEE SECTION 712.01.3
8. INDUSTRIAL TRUSS TIGHTENER  SEE DETAIL AND NOTE.

DATE:  

Dwg. No. 607-25 

DETAILED DRAWING 

REFERENCE STANDARD COT  

SECTION 607 

CHAIN LINK FENCE
GENERAL NOTES

1. Anchor system detail unless soil, and moisture conditions necessitate the use of an alternate system or as directed by the project manager. Consult detailed drawings numbers 607-40 and 607-45 for anchor systems #3 (rocky conditions) and #2 (swampy conditions).

2. Frame to sill and frame to frame fastening:
   - Fasten braces to the frame with 4 - 8d common barbed shank nails at each location.

3. Fasten the sill and frame members to the frame at each location with 2 - 5/8" x 5/8" x 5/16" x 5/16" standard machine bolts. Each with one rip nut and two flat washers. See note #3 at right.

4. Use 12 gauge or heavier galvanized wire to form the wire ties.

5. Slope brace fastening:
   - Fasten slope braces with 3 - 16d common barbed shank nails at each location.

6. Slope screw fastening:
   - Fasten slope screws with 3 - 18d common barbed shank nails at each location.

7. Slope bracing:
   - Fasten bracing with 1/2" x 6" x 16'-0" [50 x 150 x 4876.8] #6 rebar (threaded full length) and nut 5/8" dia. x 5" [M16 x 127] hex bolt.

8. Slope brace fastening:
   - Fasten slope braces with 3 - 18d common barbed shank nails at each location.

9. Frame to frame fastening:
   - Fasten frame to frame with 4 - 8d common nails at each location and clinch.

10. Use 12 gauge or heavier galvanized wire to form the wire ties.

11. Fasten the sill and frame members to the frame at each location with 2 - 5/8" x 5/8" x 5/16" x 5/16" standard machine bolts. Each with one rip nut and two flat washers. See note #3 at right.

12. Use 12 gauge or heavier galvanized wire to form the wire ties.

13. Fasten the sill and frame members to the frame at each location with 2 - 5/8" x 5/8" x 5/16" x 5/16" standard machine bolts. Each with one rip nut and two flat washers. See note #3 at right.

14. Slope brace fastening:
   - Fasten slope braces with 3 - 18d common barbed shank nails at each location.

15. Slope screw fastening:
   - Fasten slope screws with 3 - 18d common barbed shank nails at each location.

**Note:** Use only after slope is 3:1 or steeper.

---

**Bill of Materials for One Panel**

<table>
<thead>
<tr>
<th>Item</th>
<th>No. of Pieces</th>
<th>Lumber Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
<td>2&quot; x 6&quot; x 8'-0&quot; (150 x 150 x 2438.4)</td>
<td>Frame (551)</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>2&quot; x 6&quot; x 7'-0&quot; (150 x 150 x 2286.0)</td>
<td>Frame (551)</td>
</tr>
<tr>
<td>C</td>
<td>3</td>
<td>2&quot; x 6&quot; x 6'-0&quot; (150 x 150 x 2009.8)</td>
<td>Frame (551)</td>
</tr>
</tbody>
</table>

**Bill of Materials for One Panel**

<table>
<thead>
<tr>
<th>Item</th>
<th>No. of Pieces</th>
<th>Lumber Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>3&quot; x 6&quot; x 16'-0&quot; (125 x 150 x 4876.8)</td>
<td>Brace</td>
</tr>
<tr>
<td>B</td>
<td>9</td>
<td>3&quot; x 6&quot; x 14'-0&quot; (125 x 150 x 4489.8)</td>
<td>Nail</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>2&quot; x 6&quot; x 5' - 0&quot; (150 x 150 x 2009.8)</td>
<td>Slope brace</td>
</tr>
</tbody>
</table>

**Bill of Materials for One Panel**

<table>
<thead>
<tr>
<th>Item</th>
<th>No. of Pieces</th>
<th>Lumber Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>18</td>
<td>5/8&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>3/4&quot; diameter holes (typ.)</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>1/2&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>3/4&quot; diameter holes (typ.)</td>
</tr>
<tr>
<td>C</td>
<td>12</td>
<td>#2 barreled x 9&quot; long (1/2&quot; x 136)</td>
<td>3/4&quot; diameter holes (typ.)</td>
</tr>
<tr>
<td>D</td>
<td>6</td>
<td>1/2&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>3/4&quot; diameter holes (typ.)</td>
</tr>
<tr>
<td>E</td>
<td>12</td>
<td>1/4&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>3/4&quot; diameter holes (typ.)</td>
</tr>
<tr>
<td>F</td>
<td>10</td>
<td>1/8&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>3/4&quot; diameter holes (typ.)</td>
</tr>
</tbody>
</table>

**Hardware - Wood Snow Fence w/ Anchor System #1**

**Bill of Materials for One Panel**

<table>
<thead>
<tr>
<th>Item</th>
<th>No. of Pieces</th>
<th>Lumber Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>18</td>
<td>5/8&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>Threaded full length and nut</td>
</tr>
<tr>
<td>B</td>
<td>36</td>
<td>1/2&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>Threaded full length and nut</td>
</tr>
<tr>
<td>C</td>
<td>12</td>
<td>1/2&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>Threaded full length and nut</td>
</tr>
<tr>
<td>D</td>
<td>6</td>
<td>1/2&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>Threaded full length and nut</td>
</tr>
<tr>
<td>E</td>
<td>12</td>
<td>1/4&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>Threaded full length and nut</td>
</tr>
<tr>
<td>F</td>
<td>10</td>
<td>1/8&quot; dia. x 9&quot; long x 1/2&quot; hex bolt</td>
<td>Threaded full length and nut</td>
</tr>
</tbody>
</table>
**General Notes**

1. **Anchor System Details**: Use anchor system #1 unless soil and moisture conditions necessitate the use of an alternate system or as directed by the project manager. Consult detailed drawings for anchor system #2 (metric conditions) and #3 ( metric conditions).

2. **Slat Fastening**: Fasten slats to the frame with 3 - 12d common barbed shank nails at each location.

3. **Brace Fastening**: Fasten braces to the frame using 4 - 8d common nails at each location and #2 (swampy conditions).

4. **Sawdust Placement**: Sawdust shall be placed beneath and adjacent to snow fence. See anchor system #3 details, dtl. dwg. no. 607-35.

5. **Alternate System**: Use an alternate system, or as directed by the project manager. Consult detailed anchor system details, dtl. dwg. no. 607-40.

6. **Washers**:
   - 5/8" dia. x 5" [M16 x 127] standard machine bolts, each with hex nut and two flat washers. See note X at right.

**Bill of Materials for One Panel**

<table>
<thead>
<tr>
<th>Item</th>
<th>No. of Pieces</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6</td>
<td>2&quot; x 6&quot; x 12'-0&quot; [50 x 150 x 3962.4] sill</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>2&quot; x 4&quot; x 12'-0&quot; [50 x 100 x 3657.6] frame</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
<td>2&quot; x 6&quot; x 13'-0&quot; [50 x 150 x 3962.4] frame</td>
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<tr>
<td>D</td>
<td>6</td>
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</tr>
<tr>
<td>E</td>
<td>3</td>
<td>2&quot; x 6&quot; x 7'-0&quot; [50 x 150 x 2133.6] brace</td>
</tr>
<tr>
<td>F</td>
<td>3</td>
<td>2&quot; x 6&quot; x 10'-0&quot; [50 x 150 x 30480.4] brace</td>
</tr>
<tr>
<td>G</td>
<td>2</td>
<td>2&quot; x 6&quot; x 12'-0&quot; [50 x 150 x 3962.4] brace</td>
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</tbody>
</table>

**Departments**

- **Bill of Materials**: Lumber - 12' [3.6 m] snow fence w/ anchor system #1
- **Hardware**: 12' [3.6 m] snow fence w/ anchor system #1

**Special Notes**

- After 5/8" [M16] bolts have been tightened, back the thread clamping bolt shanks against the nuts to prevent eventual loosening of the bolts.

- All nails may be either hand driven or driven with a pneumatic air tool.

**Detailed Drawings**

- Reference: 607-35
- Division: 42
- Section: 12

**Bill of Materials for One Panel**

<table>
<thead>
<tr>
<th>Item</th>
<th>No. of Pieces</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>6</td>
<td>2&quot; x 6&quot; x 12'-0&quot; [50 x 150 x 3962.4] sill</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>2&quot; x 4&quot; x 12'-0&quot; [50 x 100 x 3657.6] frame</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>2&quot; x 6&quot; x 13'-0&quot; [50 x 150 x 3962.4] frame</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>2&quot; x 6&quot; x 12'-0&quot; [50 x 150 x 3657.6] frame</td>
</tr>
<tr>
<td>5</td>
<td>3</td>
<td>2&quot; x 6&quot; x 7'-0&quot; [50 x 150 x 2133.6] brace</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>2&quot; x 6&quot; x 10'-0&quot; [50 x 150 x 30480.4] brace</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>2&quot; x 6&quot; x 12'-0&quot; [50 x 150 x 3962.4] brace</td>
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</tbody>
</table>

**Note**: Use only when slope is 5% or steeper.
ANCHOR SYSTEM #2
(FOR ROCKY CONDITIONS)

LEFT END VIEW

RIGHT END VIEW

ANCHOR SYSTEM #1
(STANDARD)

STEP 1
WRAP FIRST 5 LAPS OF WIRE AROUND REBAR

STEP 2
WRAP SECOND 5 LAPS OF WIRE AROUND FIRST 5 LAPS

STEP 3
TWIST TIE AND FOLD UNDER WRAPS

WIRE TIE DETAIL
USE 12 GAUGE TIE WIRE WRAPPED AROUND REBAR. USE THE WIRE TIES TO FORM THE WIRE TIES.

TOP

SIDE

GROUND LINE

FRONT

NOTE: AFTER WRAP TIES FOR 30° TO PREVENT EVENTUAL LOOSING OF THE NUTS.

NOTES:
- USE THE SAME NUTS AND WASHERS AS SHOWN ON ORTHOGRAPHIC DRAWING
- USE 12 GAUGE TIE WIRE AND FLAT WASHERS FOR 5/8" (M16) DIA. BOLT TO PREVENT EVENTUAL LOOSING OF THE NUTS.
- BOLT THREADS MUST BE FULL LENGTH.

HARDWARE - SNOW FENCE W/ ANCHOR SYSTEM #3

BILL OF MATERIALS FOR ONE PANEL

QUANTITY

DESCRIPTION

12
5/8" DIA. x 4'-0" (M16 X 1219.2) BAR

4
FLAT WASHERS FOR 5/8" (M16) DIA. BOLT

30
5/8" DIA. HEX BOLT (FOR ROCKY CONDITIONS)

4 PIECES
12 TIE WRAP X 2" (50.8) X 2'-0" (609.6)

60
FLAT WASHERS FOR 5/8" (M16) DIA. BOLT

NOTE: HARDWARE REQUIRED ARE SAME AS SHOWN ON HARDWARE SUMMARY FOR SNOW FENCE W/ ANCHOR SYSTEM #1

UNIT SHOWN IN BRACKETS ([]) ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.
ANCHOR SYSTEM #2
(FOR SWAMPY CONDITIONS)

BILL OF MATERIALS FOR ONE 12' PANEL

<table>
<thead>
<tr>
<th>Quant.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>9&quot; x 3&quot; x 3/8&quot; (127 x 76.2 x 9.525) H/S</td>
</tr>
<tr>
<td>3</td>
<td>5/8&quot; (15.875) DIA. M16 x 127 HEX BOLT</td>
</tr>
<tr>
<td>4</td>
<td>FLAT WASHERS FOR 1/2&quot; (12.7) FORGED EYE BOLT</td>
</tr>
<tr>
<td>4</td>
<td>FLAT WASHERS FOR 1/2&quot; (12.7) DEADMAN</td>
</tr>
</tbody>
</table>

SUMMARY FOR SNOW FENCE W/ ANCHOR SYSTEM #2

NOTE: NAILS REQUIRED ARE SAME AS SHOWN ON HARDWARE
SUMMARY FOR SNOW FENCE W/ ANCHOR SYSTEM #2
NOTE: ALL POLES, POSTS, NAILS, OR WOOD ITEMS WILL BE TREATED.

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

WOOD ITEMS WILL BE TREATED ALL POLES, POSTS, RAILS, OR

UNITED POLES TO A DEPTH OF APPROXIMATELY ONE-HALF THE DIA. OF THE LEG PROVIDE N° 3 X 2 5" RINGED NAIL INTO EACH POLE LENGTH CONSTRUCT BRACE EVER TEN POLE LENGTHS END OF POLE TO OUTSIDE OF NEAR JACK LEG. END OF POLE TO INSIDE OF FAR JACK LEG.

NOTE: ALL POLES, POSTS, NAILS, OR WOOD ITEMS WILL BE TREATED.

UNITS SHOWN IN BRACKETS ( ) ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.
JACK AND POLE ASSEMBLY

JACK LEG NOTching

MUD SILL

POLE NOTching

DETAIL "A"