



**382A – Fence - Barbed or Woven Wire, or  
Wooden Board  
(Grazing)  
Implementation Requirements**

**Producer** \_\_\_\_\_

**Project or Contract** \_\_\_\_\_

**Location** \_\_\_\_\_

**County** \_\_\_\_\_

**Farm Name** \_\_\_\_\_

**Tract Number** \_\_\_\_\_

**Description of Work and Planned Condition:**

- ☐ **Plan map attached** with fence locations and type accurately delineated to scale. Include supporting practices.
- ☐ **NY 382A Fence Specifications and drawings attached**

**Practice Purpose(s) - check all that apply:**

- ☐ Exclude livestock for the protection of natural resources.
- ☐ Control livestock where permanent fence is installed as a component of a rotational grazing system.
- ☐ Control domestic livestock, while permitting the movement of wildlife.
- ☐ Other (explain)\_\_\_\_\_

Perimeter and Permanent Interior Fences  
Minimum Height and Strand Spacing for Permanent Fence Types  
(check livestock and fence type)

Livestock	Woven Wire	Barbed Wire	Wooden Board
<b>Goats, Kids, Sheep, Lambs, Alpaca, Llama</b>	5 horizontal woven wires placed a minimum of 40 inches high, plus one additional wire (either barbed or electrified smooth) no more than 3 inches above the top of the woven wire	Minimum of 4 strands, spaced at 10, 16, 22 and 36 inches above the ground	Not recommended
<b>Hogs</b>	5 horizontal woven wires placed a minimum of 35 inches high, plus one additional wire (either barbed or electrified smooth) at the bottom.	Not recommended	Not recommended
<b>Horses and Foals</b>	5 horizontal woven wires placed a minimum of 48 inches high, plus at least one additional electrified smooth wire no more than 3 inches above the top of the woven wire	Not recommended	Minimum of 3 and a maximum of 4 boards. Boards spaced on 16 inch centers, bottom board @ 16 inches above the ground 3 board fence – top board @ 48 inches above the ground 4 board fence – top board @ 64 inches above the ground
<b>Beef Steers, Cows and Calves</b>	5 horizontal woven wires placed a minimum of 48 inches high, plus one additional wire (either barbed or electrified smooth) no more than 3 inches above the top of the woven wire	Minimum of 3 strands, spaced at 10 to 17, 20 to 27 and 32 to 38 inches above the ground	Minimum of 3 and a maximum of 4 boards. Boards spaced on 16 inch centers, bottom board @ 16 inches above the ground 3 board fence – top board @ 48 inches above the ground 4 board fence – top board @ 64 inches above the ground
<b>Dairy Cows and Heifers</b>	5 horizontal woven wires placed a minimum of 48 inches high, plus one additional wire (either barbed or electrified smooth) no more than 3 inches above the top of the woven wire	Minimum of 3 strands, spaced at 10 to 17, 20 to 27 and 32 to 38 inches above the ground	Minimum of 3 and a maximum of 4 boards. Boards spaced on 16 inch centers, bottom board @ 16 inches above the ground 3 board fence – top board @ 48 inches above the ground 4 board fence – top board @ 64 inches above the ground
<b>Other (describe)</b>			

## Construction and Material Documentation

Fence Length Documentation			
Tract(s)	Field(s)	Type of Fence	Length of Fence

### Barbed Wire:

Barbed Wire Fence				
Use	# of Strands	Strand Spacing	Fence Height	Recommended Tension
Perimeter				
Travel Lane				
Interior Subdivision				
Wire Specifications				
<input type="checkbox"/> Conventional Standard Double Strand Barbed			Stay Wires _____	
<input type="checkbox"/> High-Tensile Double Strand Barbed			Barbs _____	
Size (gauge) _____			Fasteners/staples _____	
Coating/Composition _____			Wire strength _____	

### Woven Wire:

Woven Wire Fence Characteristics		
(check all that apply)		
<input type="checkbox"/> Conventional Hinge Joint	Number of line wires _____	<ul style="list-style-type: none"> <li>Class 3 Galvanized Coating <input type="checkbox"/> YES</li> <li>Tensile Strength Grade <ul style="list-style-type: none"> <li><input type="checkbox"/> Grade 60</li> <li><input type="checkbox"/> Grade 125</li> <li><input type="checkbox"/> Grade 175</li> <li><input type="checkbox"/> Other _____</li> </ul> </li> </ul>
<input type="checkbox"/> Fixed Knot Continuous Stay	Fence fabric height _____	
<input type="checkbox"/> High Tensile	Stay spacing (in.) _____	
<input type="checkbox"/> Other	Size (gauge) _____ <ul style="list-style-type: none"> <li>Stay wires _____</li> <li>Intermediate line wires _____</li> <li>Top and bottom line wires _____</li> </ul>	

Type of Fence Top For Deterrent or Inside Offset if Applicable	
<input type="checkbox"/> Double strand 12.5 ga. 4 point barbed wire Class 3, galvanized <input type="checkbox"/> Top <input type="checkbox"/> Inside offset	No. of strands ____
<input type="checkbox"/> Double strand high tensile 15.5 ga. 4 point barbed wire Class 3, galvanized <input type="checkbox"/> Top <input type="checkbox"/> Inside offset	No. of strands ____
<input type="checkbox"/> 12.5 ga. High tensile smooth Class 3 galvanized electric wire <input type="checkbox"/> Top <input type="checkbox"/> Inside offset	No. of strands ____
<input type="checkbox"/> Not applicable, explain: _____	

**Wooden Board:**

Wooden Board Fence
Type of wood: ____ Oak ____ Red Cedar ____ Black Locust ____ Pressure Treated Wood
Number of boards _____

**All Fences:**

Line Posts	
Material Type _____	Diameter (in.)/weight _____
Shape <input type="checkbox"/> round <input type="checkbox"/> square	Length _____ Coating (if applicable) _____
Max post and/or stay spacing _____	Depth in ground _____
Total # posts _____	
Fasteners (type, length & gauge)	
Gates (type and width):	
Total # gates	
Battens (material, length, diameter/width)	

Brace Posts	Brace (Guy) Wire
Material _____	<input type="checkbox"/> 12.5 ga., galvanized steel, HT double wrapped
Size/diameter & length _____ (Corner, ends, pull, and gate posts) # Corner braces _____ # Ends, pulls, gate braces _____	<input type="checkbox"/> 9 ga., galvanized steel, soft wire single wrap
Size/diameter & length _____ (all other brace posts) # Other braces _____	<input type="checkbox"/> A single 3/16" galvanized cable with a cable lock
Depth _____	

Horizontal Brace Rail	Diagonal Brace Rail
Material _____	Material _____
Size (diameter and length) _____	Size (diameter and length) _____
Height (from ground) _____	Height of anchor post above ground _____
Brace post notched <input type="checkbox"/> Yes or <input type="checkbox"/> No	

### Operation and Maintenance – \_\_\_\_\_ year life span

Regular inspection of fences should be part of your ongoing maintenance program to ensure continuing proper function of the fence. Inspections should be done immediately following all storms to identify repair and maintenance needs.

Operation and Maintenance (O&M) includes the following:

- Regularly inspect, at least monthly, fences, gates, and water gaps. Always inspect after storms and other disturbance events.

Maintenance activities:

- Repair or replace loose or broken material, wire tension, loose staples, under gate cable connections, cracked or broken spring gate handles, gates and other areas of ingress/egress.
- Re-set posts where frost uplifting, accidental impacts, defects, or deterioration have changed post position or integrity.
- Remove all overhanging trees and limbs, downed trees, and debris. Clear brush and weeds from fence lines to reduce risk of animal escape. If herbicides are used to control vegetation, application must be according to product label and follow all federal, state, and local regulations and laws.
- Inspect break-away fencing a minimum of twice per year, and after all high water flows. Repair and replace as needed.
- Replace or repair water gaps as necessary.
- Repair eroded areas along fence line, posts, and approaches.
- Repair or replace warning signs or other safety and control features as required.
- Maintain proper tension on the fence wires throughout the year while livestock are being grazed. Tension may be released in winter to account for contraction of wire during cold weather if livestock, people, or vehicles will not be in the area.

- Retain and properly discard all broken fencing material and hardware.

### *Additional Operation and Maintenance Requirements*

### **Design Concurrence and Certification**

*I have reviewed the special provisions, drawings, specifications and operation and maintenance requirements and agree to install, operate, and maintain this project in accordance with them.*

Producer: \_\_\_\_\_ Date: \_\_\_\_\_

*This practice is designed and planned according to NRCS Standards and Specifications.*

Certified Planner: \_\_\_\_\_ Date: \_\_\_\_\_

Planning JAA Level Required: \_\_\_\_\_ Design JAA Level Required \_\_\_\_\_

### **Documentation of Implementation**

Acres treated: \_\_\_\_\_

Feet of Perimeter Fence Installed: \_\_\_\_\_

Feet of Interior Fence Installed: \_\_\_\_\_

Date Practice Completed: \_\_\_\_\_

Date Field Checked: \_\_\_\_\_

### **Documentation Attachments**

- ☐ As-Built drawings/maps ☐ Digital Photos
- ☐ Invoices documenting material quantities and source

☐ Product warranties as applicable

**Installation Observations**

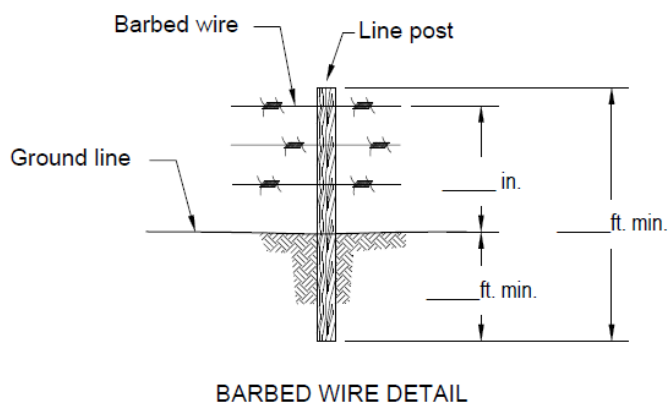
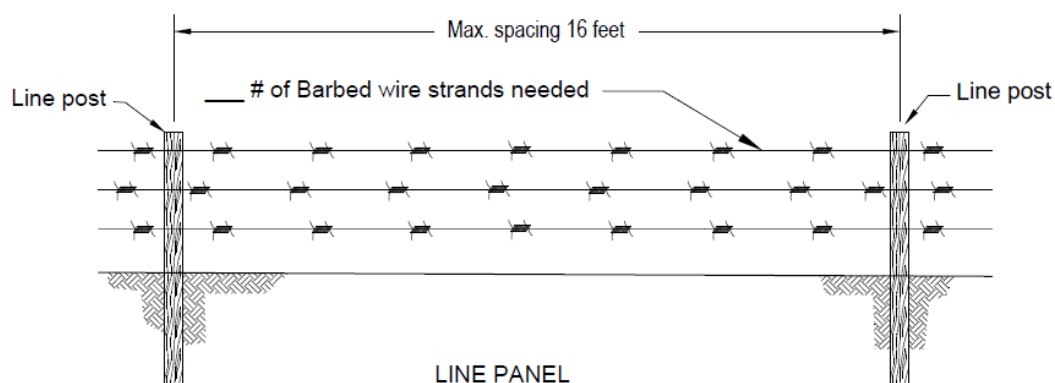
**Implementation Certification**

*I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.*

NRCS Representative or TSP: \_\_\_\_\_ Date:\_\_\_\_\_

JAA Approval Level: \_\_\_\_\_

## BARBED WIRE FENCE DETAIL



REFER TO NRCS SPECIFICATION 382A-FENCE-BARBED, WOVEN OR WOODEN

Additional Instructions:

Drawing not to scale. Standardized drawing must be adapted to specific site.



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BARBED WIRE FENCE DETAIL  
NRCS New York

Designed

Date

Approved

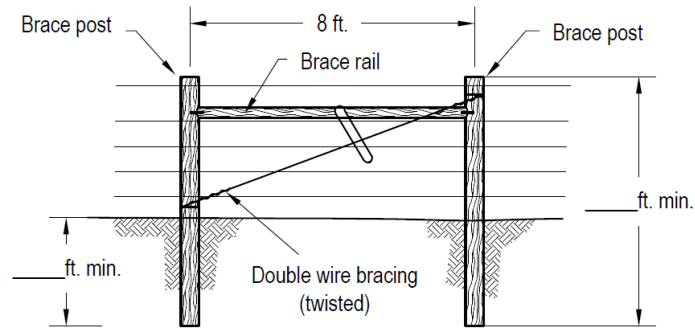
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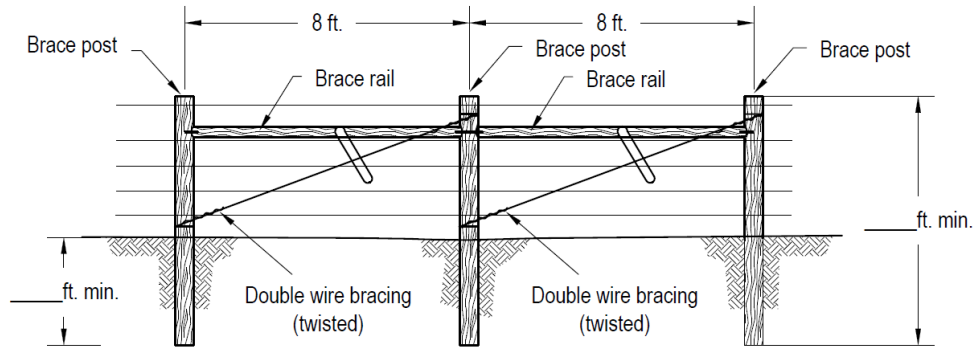
Sheet 1 of



# SINGLE WIRE FENCE BRACE DETAILS (HIGH TENSILE AND BARBED WIRE)



**SINGLE SPAN LINE BRACE ASSEMBLY**  
**(AT CORNERS, ENDS, OR GATES)**



**DOUBLE SPAN LINE BRACE ASSEMBLY**  
**(AT CORNERS, ENDS, OR GATES)**

High Tensile: Refer to NRCS-NY-Specification 382B-Fence-High Tensile Smooth and Coated Wire and Braided Electrified Rope

Barbed Wire: Refer to NRCS-NY Specification 382A-Fence - Barbed, Woven or Wooden.

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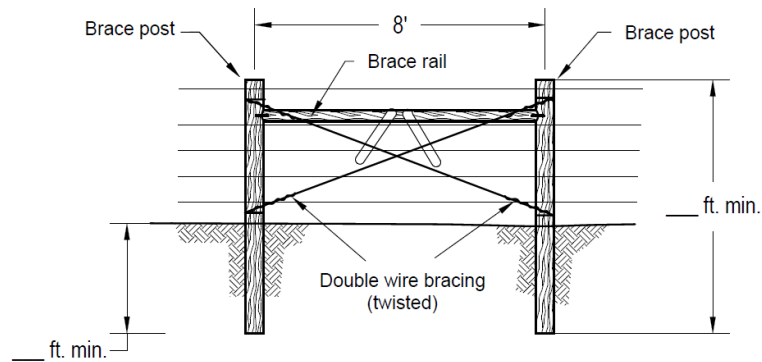
**FENCE BRACE DETAIL**  
**NRCS New York**

Designed \_\_\_\_\_ Date \_\_\_\_\_

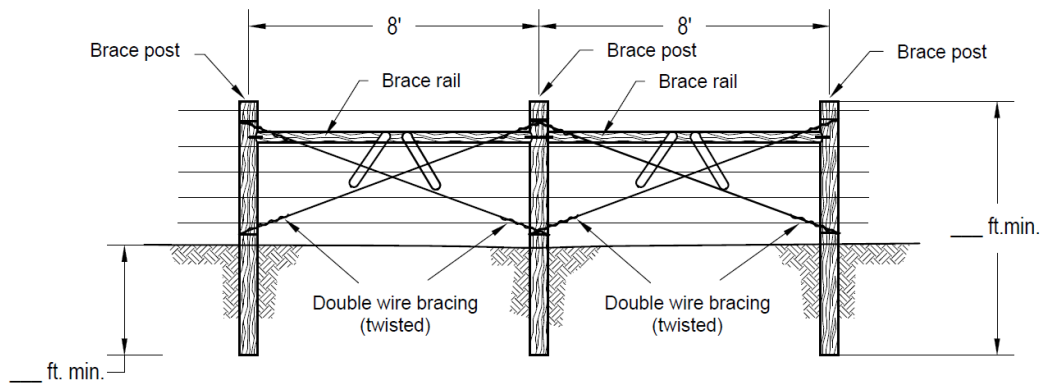
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Title \_\_\_\_\_ Sheet 1 of \_\_\_\_\_

## DOUBLE WIRE FENCE BRACE DETAILS (HIGH TENSILE AND BARBED WIRE)



SINGLE SPAN LINE BRACE ASSEMBLY



DOUBLE SPAN LINE BRACE ASSEMBLY

High Tensile: Refer to NRCS-NY Specification 382B-Fence-High Tensile Smooth and Coated Wire and Braided Electrified Rope

Barbed Wire: Refer to NRCS-NY Specification 382A-Fence-Barbed, Woven or Wooden.

Additional Instructions:

Drawing not to scale. Standardized drawing must be adapted to the specific site.



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DOUBLE WIRE FENCE BRACE DETAIL  
NRCS New York

Designed \_\_\_\_\_ Date \_\_\_\_\_

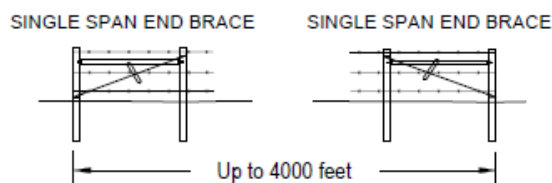
Approved \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_

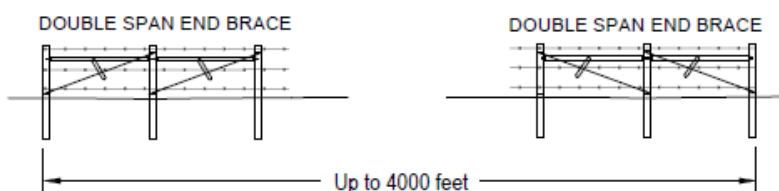
Sheet 1 of 1

## BARBED WIRE FENCE SPACING FOR BRACE ASSEMBLIES

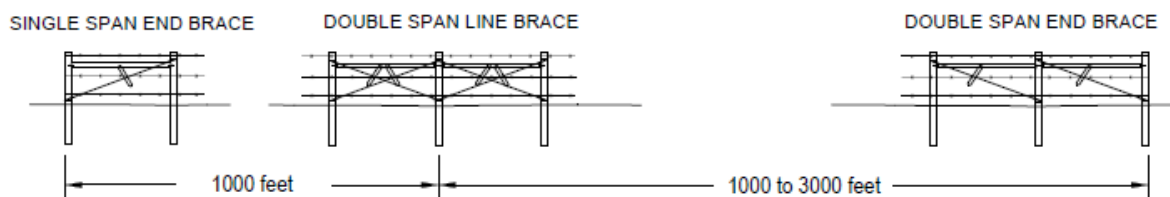
1. Use single span brace assemblies with 6 or less strands of wire between corner, end, and/or gate posts.



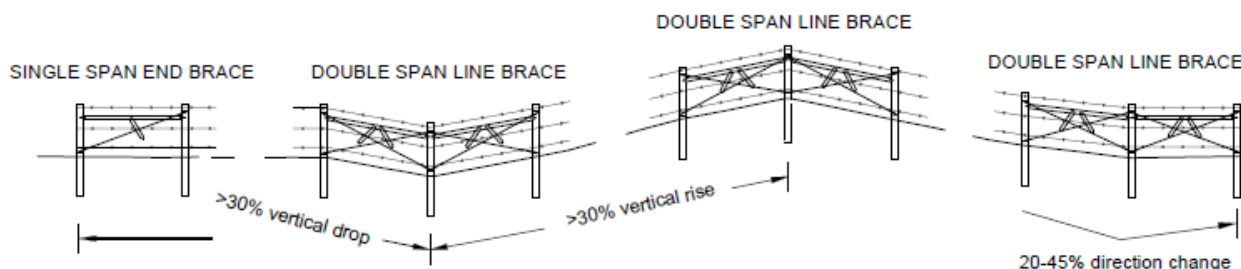
2. Use double span brace assemblies with more than 6 strands of wire between corner, end, and/or gate posts.



3. Use line braces to divide fence lengths where runs of fence are more than 4000 feet long. *A run is the distance between a corner, end or gate post and the next corner, end, or gate post.*



4. On uneven terrain, locate line braces at the top and bottom of each hill. Locate line braces where horizontal direction changes more than 20% but less than 45%.



For Additional Information Refer to:

-NRCS-NY Specification 382A-Fence-Barbed, Woven or Wooden

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BARBED WIRE FENCE  
BRACE SPACING  
NRCS New York

Designed

Date

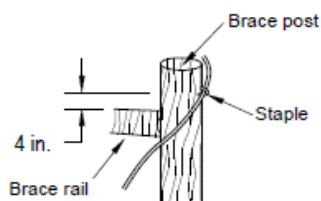
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Date

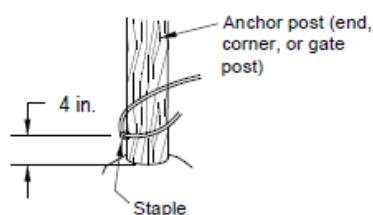
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Sheet 1 of

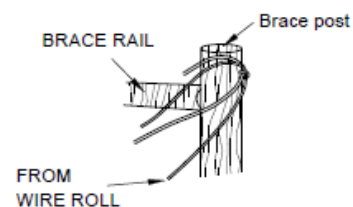
## WIRE FENCE BRACE DETAILS



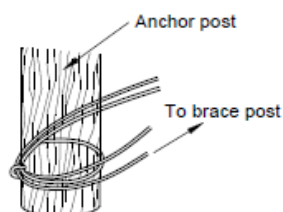
1. Drive staple about half its length into brace post about 4 inches above brace rail, on opposite side from brace.



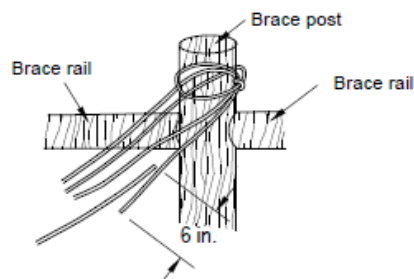
2. Drive staple in a similar manner on anchor post about 4 inches above ground, on opposite side from brace.



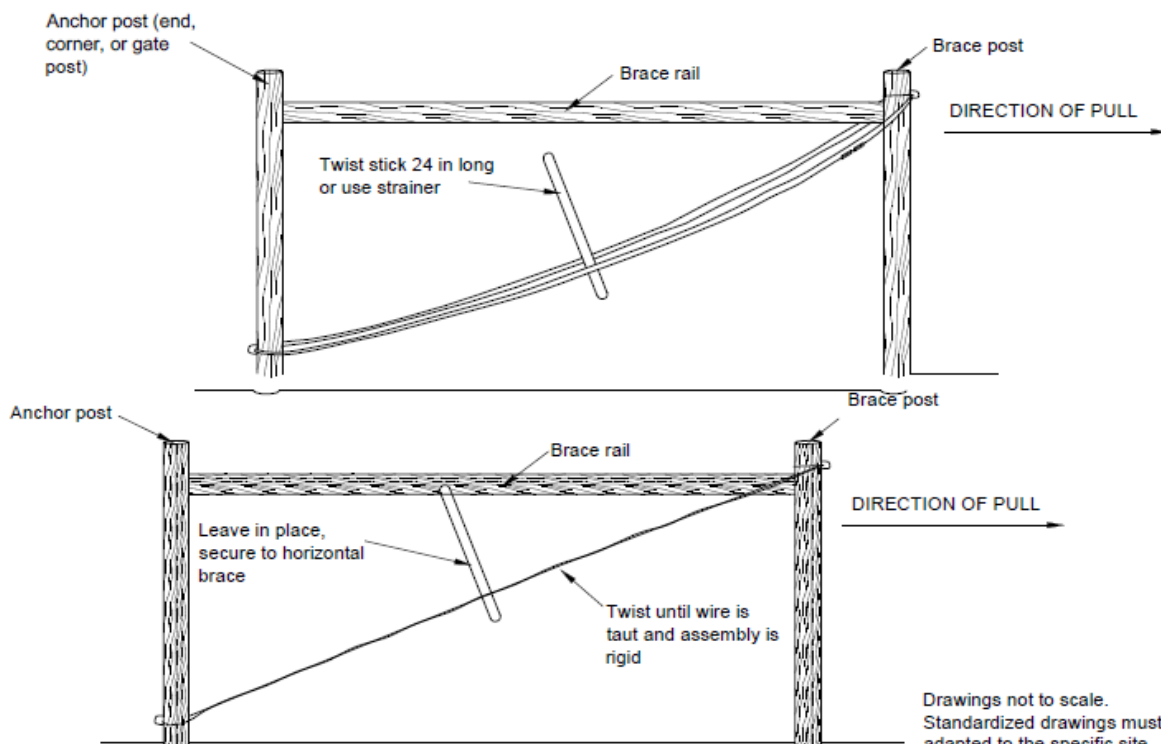
3. Unroll enough brace wire for two complete loops around anchor and brace posts. Thread brace wire through staples.



4. Wrap wire around anchor post and return toward brace post.



5. Cut brace wire from roll, allowing enough wire to wrap around brace post and extend 6 to 12 inches past the other wire end. Splice wires together.



Drawings not to scale.  
Standardized drawings must be adapted to the specific site.



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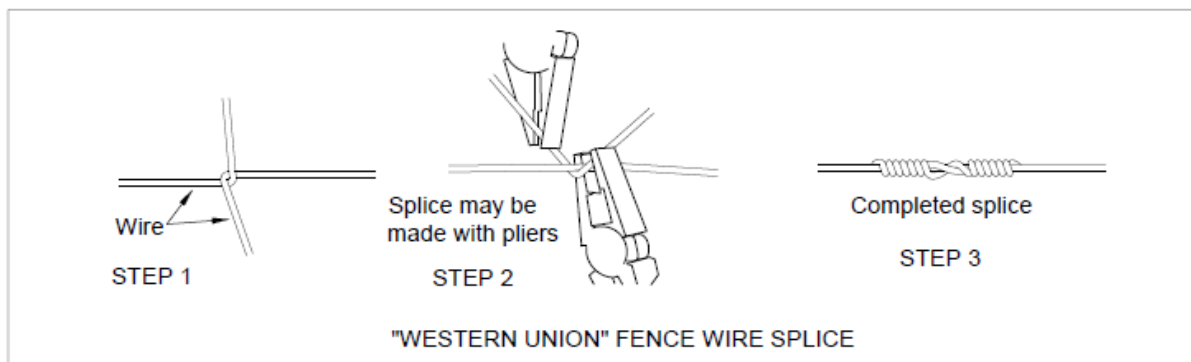
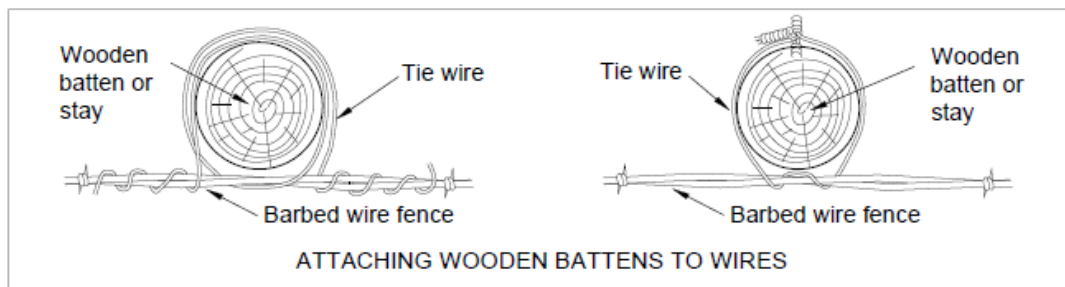
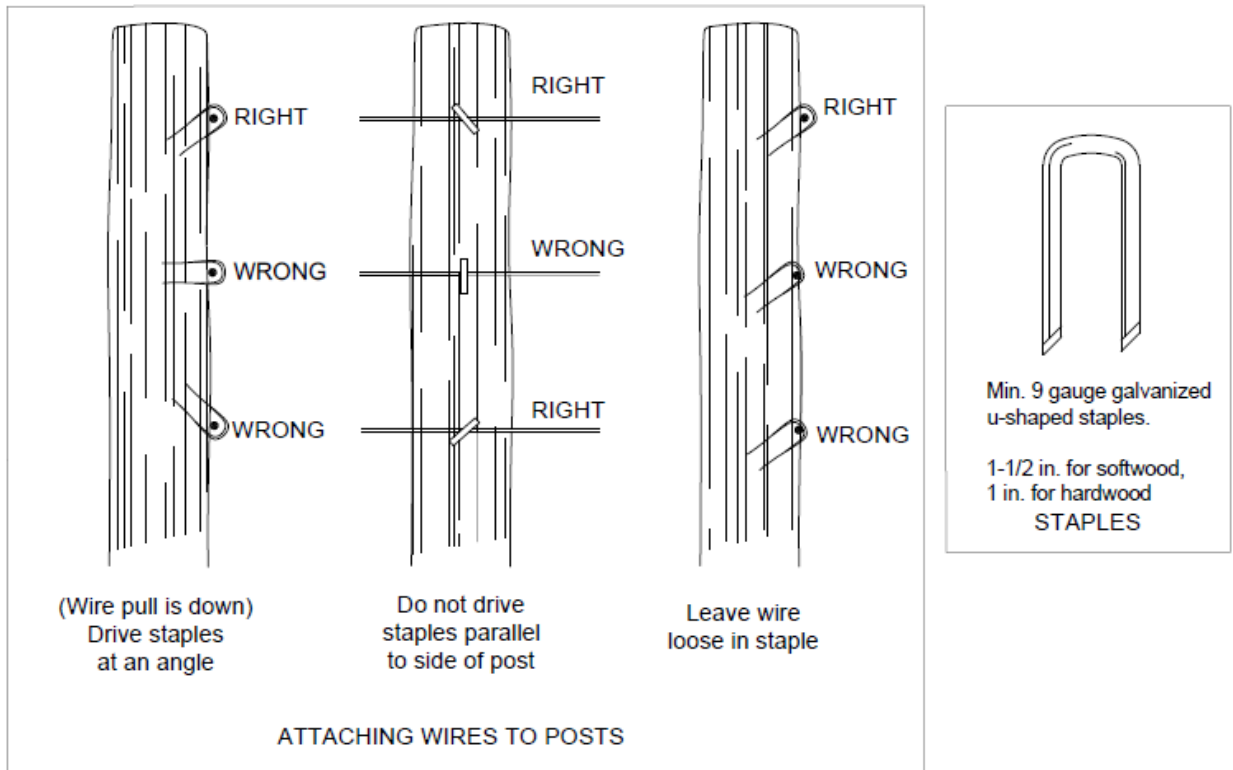
WIRE FENCE BRACE DETAILS  
NRCS New York

Designed \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ Sheet 1 of \_\_\_\_\_

## FENCE STAPLES AND WIRE ATTACHMENT DETAIL



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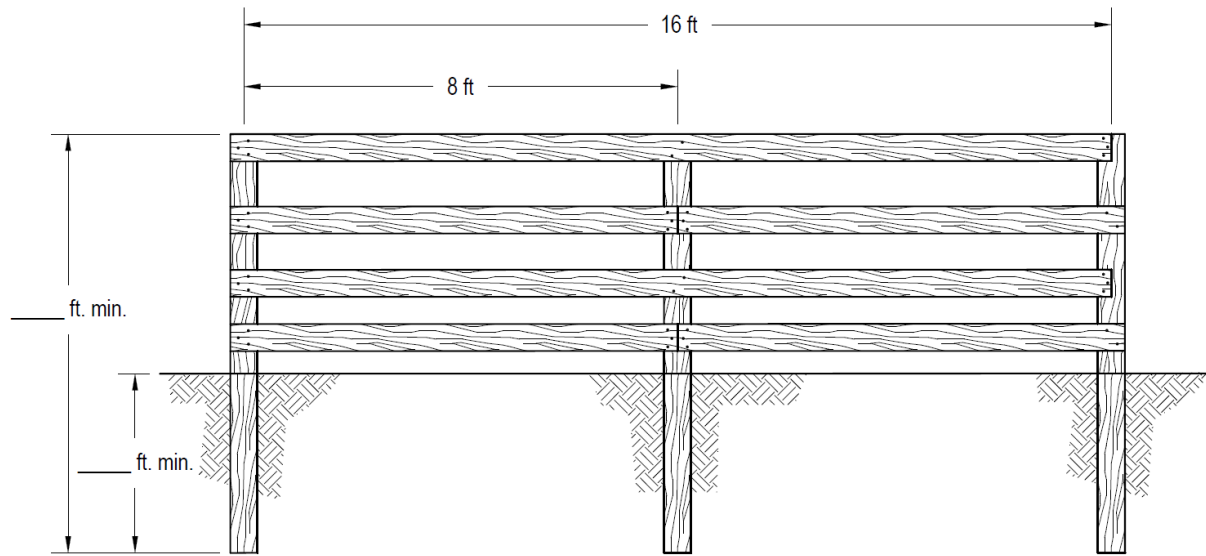
### FENCE STAPLES AND WIRE ATTACHMENT DETAILS

Designed \_\_\_\_\_ Date \_\_\_\_\_

Approved \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ Sheet 1 of \_\_\_\_\_

WOODEN BOARD FENCE DETAIL  
4 BOARDS



STRAIGHT PANEL

REFER TO NRCS-NY SPECIFICATION 382A-FENCE-BARBED, WOVEN OR WOODEN

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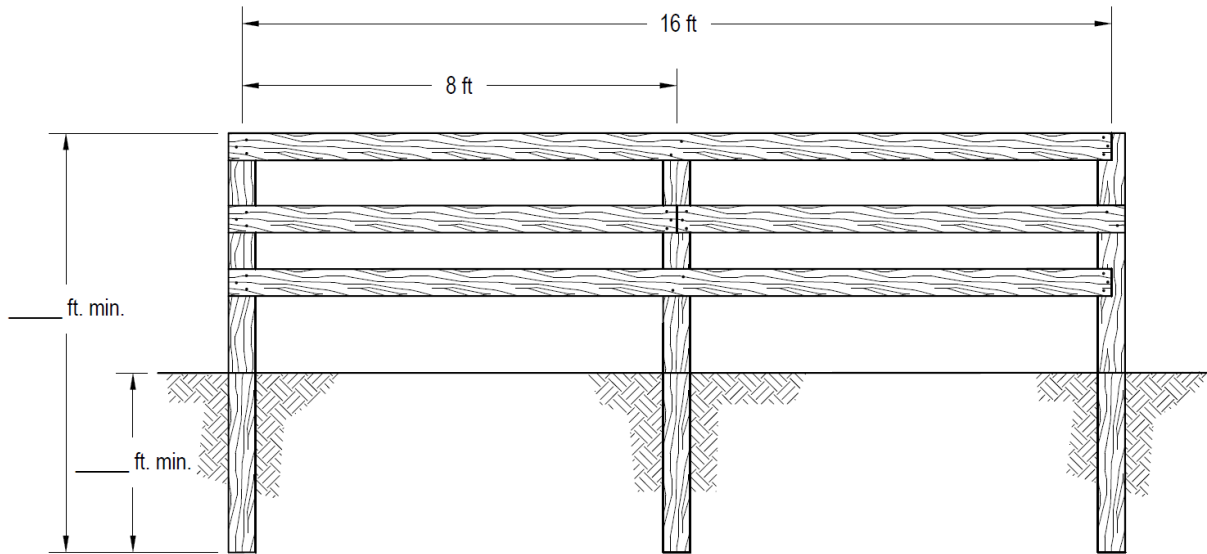
WOODEN BOARD FENCE DETAIL  
4 BOARDS  
NRCS New York

Designed \_\_\_\_\_ Date \_\_\_\_\_

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Title \_\_\_\_\_ Sheet 1 of \_\_\_\_\_

WOODEN BOARD FENCE DETAIL  
3 BOARDS



STRAIGHT PANEL

REFER TO NRCS-NY SPECIFICATION 382A-FENCE-BARBED, WOVEN OR WOODEN

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WOODEN BOARD FENCE DETAIL  
3 BOARDS  
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Title \_\_\_\_\_ Sheet 1 of \_\_\_\_\_