

**NATURAL RESOURCES CONSERVATION SERVICE**  
**Wyoming**  
**CONSTRUCTION SPECIFICATIONS**  
**FOR**  
**LIVESTOCK CONTAINMENT FACILITY,**  
**WIRE PANEL**

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(Owner/Operator)

(Project Title)

**GENERAL**

Installation shall be in accordance with an approved plan. Details of construction shown on the drawings but not include herein are considered as part of these specifications. Construction activities shall be in accordance with applicable OSHA regulations.

Prior to construction the fence lines shall be cleared of any possible obstruction that would hinder the fence placement and operation.

The soil surface along the fence line shall be relatively smooth such that placement of the bottom fencing member does not exceed the maximum fence member to soil surface spacing specified.

All wood materials having contact with the soil shall be treated with an EPA-registered wood preservative. Wood posts shall be treated from the butt end of the post to at least one foot above the soil surface.

**MATERIALS**

Line Posts - All wood line posts shall have a minimum top diameter of 6 inches. All metal line posts shall have a minimum outside diameter (OD) of 2.625 inches. All posts shall be a minimum of 8 feet long. Metal posts shall be set a minimum of 3 feet into an 8-inch diameter minimum concrete fill. Wood posts shall be set to a minimum depth of 3 feet. The maximum post spacing is 8 feet for 6-inch diameter wood posts and 10 feet for 8-inch diameter posts. Longer spacing for posts shall be per design specific details noted on drawings for post size and embedment depth requirements.

Gate and Corner Posts - Wood posts shall have a minimum top diameter of 8 inches. Metal posts shall have a minimum outside diameter (OD) of 3.5 inches. All posts shall be a minimum of 8.5 feet long. Metal posts shall be set a minimum of 3.5 feet into a 12-inch diameter minimum concrete fill. Wood posts shall be set to a minimum depth of 3.5 feet.

Wire Panels – Wire panels shall have a minimum thickness of at least 0.23 inches, wire-bar spacing no greater than 6 by 8 inches, a minimum of height of 52 inches and shall be galvanized. The top of the wire panel shall not be less than 60 inches from the ground surface and the bottom of the panel shall be no more than 12 inches from the ground surface.

Wire Panel Fasteners – A minimum of 4 fasteners per post shall be used. Staples shall have a minimum length of 2 inches.

Guardrails – On exterior corral fences a guardrail shall be placed approximately mid-point between the ground surface and the top of the fence. On interior corral fences where livestock will be on both sides of the fence, a guardrail will be placed on both sides of the fence panel. The guardrails may be of wood, metal pipe, metal or similar materials. Wood guard rails shall be of 2 X 8 inch lumber minimum; wood poles shall be at least 3 inch diameter at the small end; pipe

