



H-BRACE ASSEMBLY

LINE POSTS

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1. Bracing is required at all corner, gate, pull and end assemblies in the fence.
2. Corner post minimum diameter is 5" for wooden post and 4" for steel post. Minimum H-Brace Upright (Corner Post) length is 8'.
3. Corner posts shall be set a minimum of three feet in the soil, with the soil packed firmly around the post.
4. Brace post (cross member) minimum diameter is 3" for treated wood, 4" for untreated wood, and 2" for steel with a minimum length of 8'.
5. The cross member shall always be placed between the top two wires and be nailed to the corner posts or mortised.
6. The twitch wire shall be set at no more than a 30-degree angle to the brace assembly.
7. The twitch wire shall be 12-1/2 ga. High tensile or 9 ga. Medium tensile wire, with a minimum of two wraps around the brace assembly.
8. The twitch stick shall be #5 rebar, 1" sucker rod, or a 2" x 2" x 12" pressure treated pine. An inline strainer may also be used.
9. The twitch stick shall always remain in the assembly and be anchored to the cross member.
10. The twitch wire shall be tightened until the end post moves about 1/2" in the soil.
11. Maximum distance between pull posts shall be 1,320 feet.
12. Pull posts with appropriate braces must be set at significant topographical changes and directional changes.
13. All wooden posts shall comply by Note #8 under "Line Posts."

Corner, H-Brace, and Line Post Minimum Criteria

Post Type	Cross Member		Line Posts			H-Brace Uprights		
	Minimum Diameter	Length	Minimum Diameter	Length	Minimum Set Depth	Minimum Diameter	Length	Minimum Set Depth
Wood, Treated	3"	8'	3"	6'	24"	5"	8'	36"
Wood, Untreated	4"	8'	3"	6'	24"	5"	8'	36"
Steel, T-Post	N/R	N/R	*	6'	24"	N/R	N/R	N/R
Steel, Pipe	2"	8'	3"	6'	24"	4"	8'	36"

* See Note #2 under "Line Posts."

Wire Gauge	Number of Wires	SUITABLE LIVESTOCK AND OPTIMUM TOP WIRE HEIGHT			
		Cattle	Goats	Sheep	Horses
12-1/2 M or 15-1/2 HT	7	44"	44"	44"	50"
12-1/2 M or 15-1/2 HT	4	44"	Not Suited	Not Suited	50"
12-1/2 M	3	38"	Not Suited	Not Suited	50"

HT = High Tensile, (type III galvanization)
M = Malleable

WIRE

1. A minimum of 4 strands barbed wire for cattle or 7 strands barbed wire for sheep and goats is required for boundaries and along roads.
2. All fasteners, staples, wireties, etc... shall be galvanized and attached in compliance with the manufacturer's instructions.
3. All wire strands shall be appropriately attached at all posts.

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1. Use 3" diameter 6' tall wooden posts or 6' tall steel "T" posts.
2. Standard "T" posts, weighing not less than 1.25 pounds per foot of length, shall have a protective coating; either galvanized, painted with one or more coats of high grade weather resistant steel point or enameled and baked.
3. Line posts shall be set a minimum of two feet in the soil.
4. Line posts may be spaced a maximum of 30 feet apart with stays or 20 feet apart without stays.
5. Twisted wire stays shall be located half the distance between line posts.
6. Only new materials shall be used in construction of the fence. No used materials such as cross-ties are acceptable.
7. No trees or live posts are allowed in the construction of the fence.
8. All wooden posts except red cedar, Osage orange or black locust shall be treated with pentachlorophenol, creosote, or chromated copper arsenate (CCA) by a method such that complete penetration of the sapwood is achieved.

These are minimum specifications. It is acceptable to construct a fence, which exceeds these specifications.

Date	Designed	R. Childress	08-05
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	Checked	R. Childress	08-05
	Approved	R. Childress	08-05

Barbed Wire Fence



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4-Wire Barbed
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