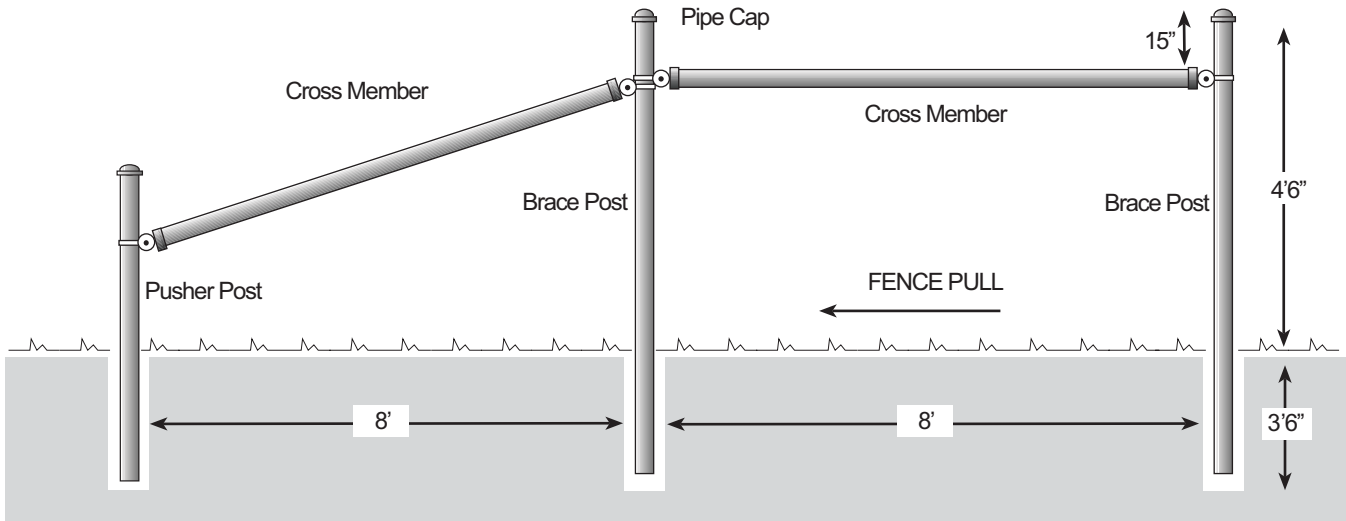


# 4' homestead brace assembly



## Minimum Material Specifications

Item	Quantity	Description	Item	Quantity	Description
Brace Posts	2	8' x 2 3/8" SS-20 Galvanized Pipe	Rail Ends	4	1 7/8" Pressed Steel Rail Ends
Cross Members	2	8' x 1 7/8" SS-20 Galvanized Pipe	Brace Bands	4	2 3/8" x 1" x 1/8" Brace Bands
Pusher Post	1	5' x 2 3/8" SS-20 Galvanized Pipe	Bolts	4	5/16" x 11/4" Carriage Bolts
Pipe Caps	3	3 1/2" Pressed Steel Dome Caps			



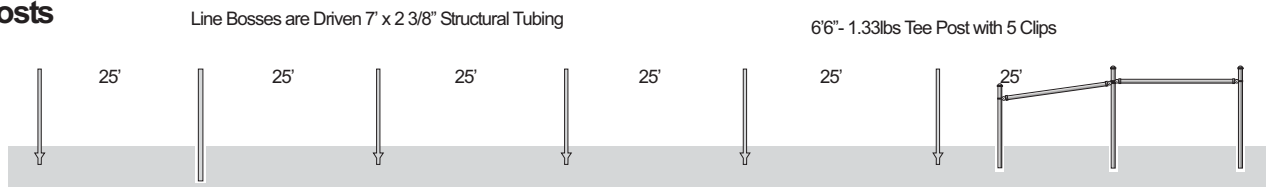
**Note 1:** When using galvanized pipe, insure that the outside and inside are galvanized not painted.

**Note 2:** Braces must be installed at the end of every fence line regardless of the length of pull however should be placed no further than 1,320 ft. apart. Do not substitute lighter pipe as the brace will fail. Use only hot-dipped galvanized commercial fittings. Brace width must be a minimum of 2 times the height of the fence (2.5 times is preferred).

## Building The Brace

1. Drive or concrete the end posts and pull a guide wire between them. Drive or concrete the brace post and pusher post using the guide wire for alignment. If set in concrete you must allow two days for the cement to cure before pulling on the brace.
2. The horizontal cross member will be positioned between the 2nd and 3rd wires of the Stay-Tuff™ fence fabric. Attach a rail end and brace band at this point on the end brace post. Do not tighten completely.
3. Attach another rail end and brace band on the second brace post.
4. Measure the distance between the insides of the two rail ends on the brace posts. Cut the cross member to this length. **This must be a tight fit.** Install the cross member by putting one end in one cup and sliding the other cup up or down the post to receive the other end. Slide back into place and tighten.
5. Install a second rail end and brace band underneath the first brace band on the middle brace post facing toward the pusher post.
6. Install a rail end and brace band on the pusher post and slide it down to ground level.
7. Measure the distance between the two insides of the rail ends. Cut the pusher cross member to this length. Install the pusher crossmember by putting one end in the rail end on the brace post and then the other end in the rail end on the pusher post. Jam tightly by lifting the pusher post rail end as far as possible. This will set the brace allowing no movement with the fence is tightened.
8. Make sure the rail ends and brace bands are aligned to the center of the posts. Tighten everything thoroughly.

## Line Posts



Set the line posts using a 25' spacing. If a combination of 2 3/8" pipe and Tee Posts is used the ratio of tee posts to line bosses should not exceed 5 to 1. 2" pipe can also be used for all line posts. Use 25' post spacing as a guideline. In rough terrain a closer post spacing will be required. A rigid post should be placed on top of hips and in the bottom of all dips. Tee post weight should not be less than 1.33lbs. per foot.

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