

Define and Prepare Fence Line

- Mark out proposed fence line using stakes and thick/visible string. Use the attached grid, question list and example to help layout your fence.
- Flatten fence line as much as possible (take away extreme rises and fill-in extreme dips)
- Clear vegetation and debris from fence line and mow
- Layout working gates (walk through and test to make sure placement and size will meet your needs)

Develop Materials List

- Determine number and size of large diameter posts needed (see Chart **A**) (corners, end posts, gates, etc.)
- Determine number of fence run posts needed (see Chart **B**)
- Select design option (see Chart **B**), OR create your own design, determine length of fence, number of feet of chosen material and then number of rolls
- Determine proper number of accessories needed (buckles, brackets, spoolers, lag screws and washers, attaching sleeve, donut tensioners, staples and screws) (see *Material List Example attached*)

Equipment/Tools Needed

- Post Driver/Auger System*
- Bending Tool (Rail only)
- Payout Box (Rail only)
- Either Extended Handle Ratchets or Two 1/2" (12mm) Long Handle Ratchets
- Hammer
- Impact Drill/Socket Set
- Tape Measure
- Marking Pen
- String Line
- Safety Glasses & Gloves

* The use of a Post Driver/Auger System is recommended for most installations. It is easier, quicker and provides a better installation than hand digging. If hand digging, be sure to measure hole width and depth, using a tape measure, and use concrete around posts!

Chart **A**

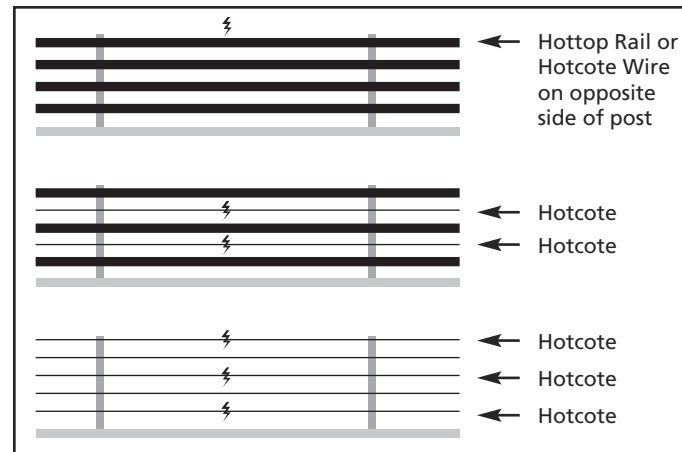
TYPE	DIA.	LENGTH		INBEDMENT
		SOFT	CONCRETE	
Line	4" - 5" (10cm-13cm)	8' (245cm)	7' (215cm)	Min. 2.5' (76cm)
Corner	5" - 6" (13cm-15cm)	9'-10' (275cm-305cm)	8' (245cm)	3.5' - 4' (107cm - 122cm)
End/Gate	7" - 8" (18cm-20cm)	10'-12' (305cm-365cm)	8' (245cm)	4.5' - 5' (137cm - 152cm)

Chart **B**

TERRAIN	Lots <i>Heavy Pressure</i>	Pasture <i>Medium Pressure</i>	Range <i>Light Pressure</i>
Flat	7' (215cm)	10' (305cm)	14' (427cm)
Rolling	6' (183cm)	9' (275cm)	12' (365cm)
Steep	5' (152cm)	8' (245cm)	10' (305cm)

NOTE: Not designed for excessive pressure without electric.

Chart **C** Fence Design Possibilities



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FIRST STEP: General Fence Description

- What are the overall dimensions of your fence?
- width x length _____x_____
- How many sides or sections make up your fence?
- Number and type of corners in your fence?
 45° corner curved corner 90° corner
- Number of gates
- Number of end posts
- Type of bracing
 Safe-T-Brace horizontal bracing
 no brace end post
- Indicate Special Needs Areas
 wet crossing perpendicular fence runs
 other _____

SECOND STEP: Complete this set of questions for each "side/section" of fence.

SECTION ONE

- Length of section?
- What is the terrain like?
 flat rolling hills steep hills
- What are your soil conditions?
 solid clay rocky wet loose sand
- Rail or Coated Wire
- Electric capable [Y] [N]
- Design of rail and/or coated wire runs including number of each and its orientation
- Color of Rail or Coated Wire
- What quantity, length and OD posts are needed for:
- What post spacing is needed for terrain and ground type (giving us the number of line posts required)
- Larger Posts for end, corners and gates
- What type, color, size and quantity of:
- buckles
- brackets
- spoolers/donut tensioners
- Hotube insulators
- What size and quantity of lag screws
- What color and quantity of Hex Head, Wide Shoulder, Insulator Screws
- What quantity of staples

Possible Materials Needed

- | | | |
|---|----------------------------|--------------------|
| • CCA Pressure Treated Posts (different OD and lengths) | • Horsecote Rolls | • Brackets |
| • Bracing (pipe or posts) | • Hotcote Rolls | • Spoolers |
| • Pipe Brackets | • Insulator Screws | • Donut Tensioners |
| • Safe-T-Brace Cables | • Electric Leadout Wire | |
| • Brace Wire | • Ground Rods | Optional |
| • Concrete | • Lightning Arrestors | • Bending Tool |
| • Staples | • Proposed Energizer (min) | • Tensioning Tools |
| • Lag Screws | • Electric Fence Stickers | |
| • Horserail® Rolls | • Electric Shut-offs | |
| • Hottop Rolls | • Buckles | |
| | • CW Buckles | |

EXAMPLE: Fence Line Layout

