

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, mini spoolers, staples and screws*)

(See Possible Materials Needed - Page 3 for reference)

Equipment/Tools Needed

- **Post Driver/Auger System***
- **Bending Tool** (*Rail only*)
- **Payout Box** (*Rail only*)
- **Extended 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**

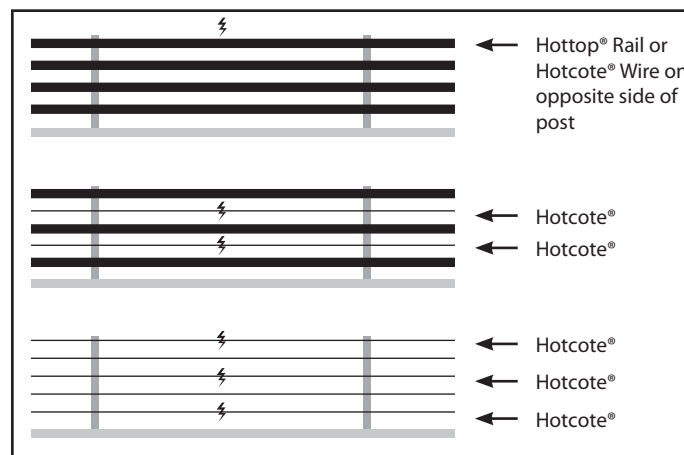
TYPE	DIA.	LENGTH		INBEDMENT
		SOFT	CONCRETE	
Line	4" - 5" (107mm-127mm)	8'(245cm)	7'(215cm)	Min. 2.5'(76cm)
Corner	5" - 6" (127mm-152mm)	9'-10'(275cm-305cm)	8'(245cm)	3.5' - 4'(107cm - 122cm)
End/Gate	7" - 8" (178mm-203mm)	10-12'(305cm-365cm)	8'(245cm)	4.5' - 5'(137cm - 152cm)

Chart **B**

Lots <i>Heavy Pressure</i>		Pasture <i>Medium Pressure</i>		Range <i>Average Pressure</i>		Light Grazing	
RAIL	HOTCOTE®	RAIL	HOTCOTE®	RAIL	HOTCOTE®	RAIL	HOTCOTE®
8' (245cm)	8' (245cm)	10' (305cm)	16' (490cm)	12' (365cm)	20' (610cm)	12' (365cm)	20' (610cm)

Chart B NOTES: Not designed for excessive pressure without electric. All are maximum lengths.

Chart **C** Fence Design Possibilities



For More Details,
Tips & Techniques on
Building Fences, Please visit
our website



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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**
 white black brown
- **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/Mini Spoolers
- Hotcote® Tube insulators
- Hotcote® 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
<i>(different OD and lengths)</i> | • Horsecote® Rolls | • Buckles for Coated Wire
<i>(attaching & joining)</i> |
| • Bracing <i>(pipe or posts)</i> | • Hotcote® Rolls | • Brackets |
| • Pipe Brackets | • Insulator Screws | • Spoolers |
| • Safe-T-Brace® Cables | • Electric Leadout Wire | • Mini Spoolers |
| • Brace Wire | • Ground Rods | |
| • Concrete | • Lightning Arrestors | Optional |
| • Staples | • Proposed Energizer <i>(min)</i> | • Bending Tool |
| • Lag Screws | • Electric Fence Stickers | • Tensioning Tools |
| • Horserail® Rolls | • Electric Shut-offs | |
| • Hottop® Rolls | • Buckles <i>(attaching & joining)</i> | |

EXAMPLE: Fence Line Layout

