

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**

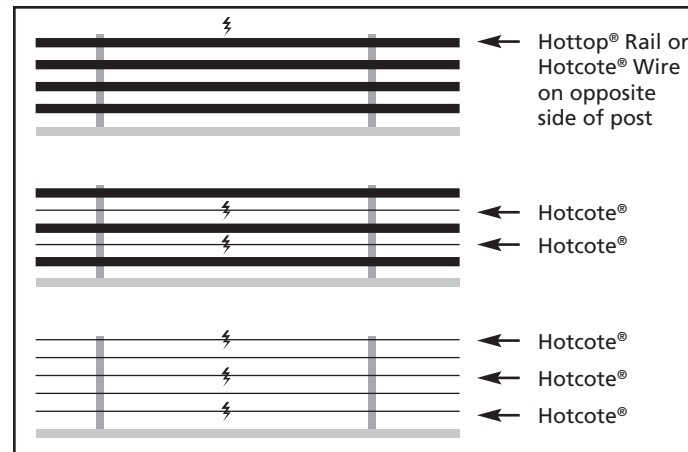
TYPE	DIA.	LENGTH		INBEDMENT
		SOFT	CONCRETE	
Line	4" - 5" (107mm-127mm)	8'(2.44m)	7'(2.13m)	Min. 2.5'(762mm)
Corner	5" - 6" (127mm-152mm)	9-10'(2.74m-3.05m)	8'(2.44m)	3.5' - 4'(1.11m - 1.22m)
End/Gate	7" - 8" (178mm-203mm)	10-12'(3.05m-3.66m)	8'(2.44m)	4.5' - 5'(1.37m - 1.52m)

Chart **B**

TERRAIN	Lots <i>Heavy Pressure</i>	Pasture <i>Medium Pressure</i>	Range <i>Average Pressure</i>	Light Grazing
Flat	7'(2.13m)	10'(3.05m)	14'(4.27m)	16'(4.88m)
Rolling	6'(1.83m)	9'(2.74m)	12'(3.66m)	14'(4.27m)
Steep	5'(1.52m)	8'(2.44m)	10'(3.05m)	12'(3.66m)

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
- Hotcote insulators (line post tube 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) | • Hottop Plus® Rolls | • Buckles for Coated Wire (attaching & joining) |
| • Bracing (pipe or posts) | • Horsecote® Rolls | • Brackets |
| • Pipe Brackets | • Hotcote® Rolls | • Spoolers |
| • Safe-T-Brace® Cables | • Insulator Screws | • Donut Tensioners |
| • Brace Wire | • Electric Leadout Wire | |
| • Concrete | • Ground Rods | Optional |
| • Staples | • Lightning Arrestors | • Bending Tool |
| • Lag Screws | • Proposed Energizer (min) | • Tensioning Tools |
| • Horserail® Rolls | • Electric Fence Stickers | |
| • Hottop® Rolls | • Electric Shut-offs | |
| | • Buckles (attaching & joining) | |

EXAMPLE: Fence Line Layout

