



# CASHMANS ELITE FENCING SYSTEM

## Planning

### Drafting a Sketch

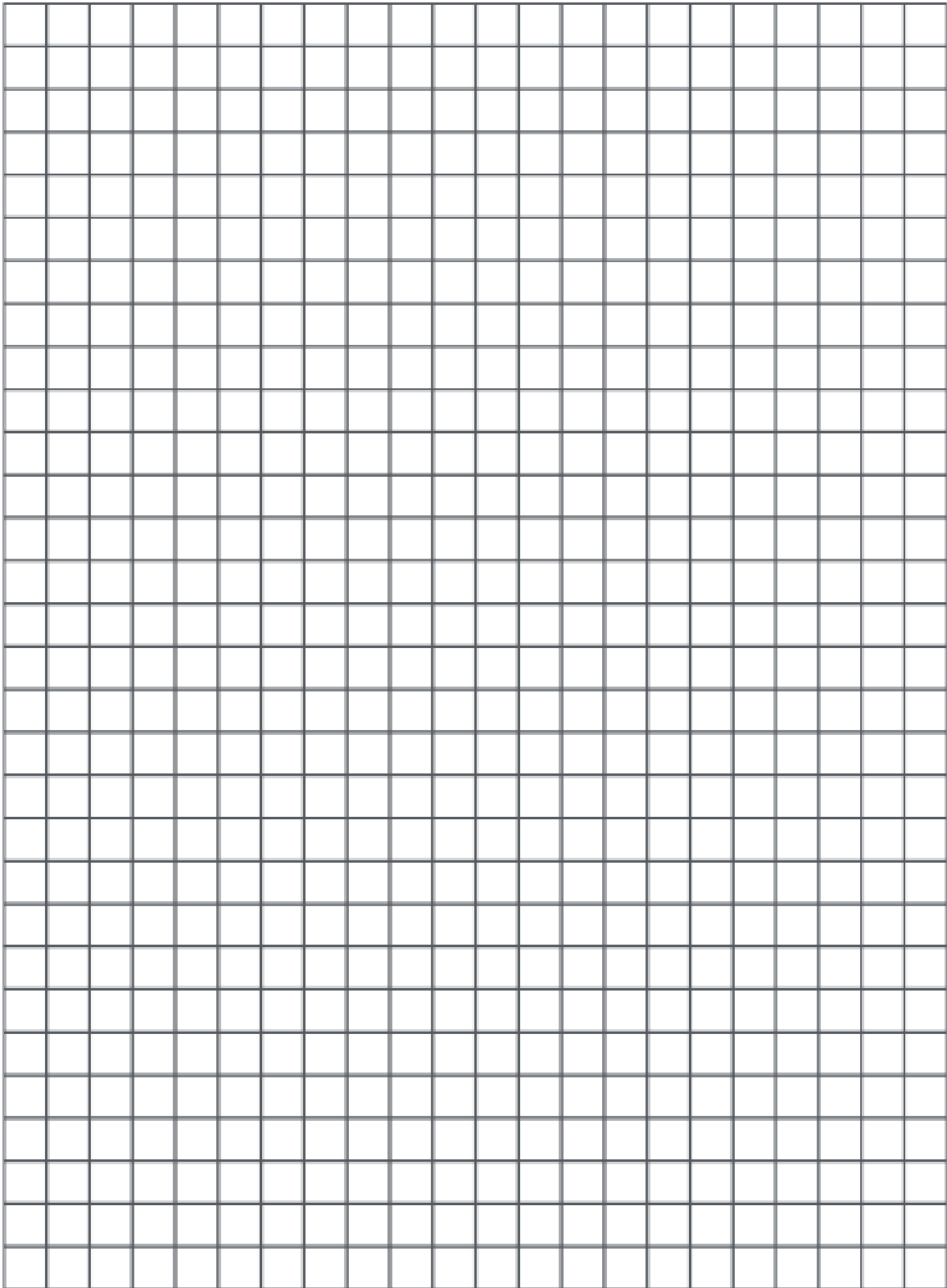
- Mark major features such as buildings, roads, fields, woods, gullies, and streams as well as power, telephone, gas and oil lines, and underground cables.
- Mark the location of each end and corner post.
- Mark the location of each line post based on your desired distance between line posts
- Mark the location of the energizer (close to outlet for plug in unit near a fence for solar power unit)
- Calculate the total length of your fence
- Choose the number of strands of Cashman Elite you wish to use. We recommend 4 or 5 stands.
- Choose the type of line post you wish to use (wood or T-posts)

### Marking the Ground

- If possible, mow the area where the fence will be installed.
- Use spray paint and stakes to mark all gate openings, end, and corner bracing assembly locations.
- Use string to pull your fence line.
- Use spray paint to mark additional secondary bracing assembly and line post locations.



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## Tools Required:

- Tensioning Kit(s) for Cashman Elite Rope
- Handheld Post Pounder (if using T-Posts)
- Black Electrical Tape
- Utility Knife
- Two Ratchet Handles with Sockets (9/16th" & 1/2")
- Safety Glasses
- Hammer
- Spade or Shovel
- Measuring Tape
- Lighter
- Adjustable Wrench



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## Post Requirements and Installation

We recommend purchasing Southern Yellow Pine pressure treated wood at least 5" in diameter.

### Installation

- Corner posts should be 6" in diameter and must be installed at least 4 feet in the ground
  - We recommend pounded posts rather than drilled
    - If drilling post holes, it is recommended to back fill with crushed limestone
- Call before you dig! Hitting any underground lines on your property could lead to disaster!
- Install and brace all corner posts before installing the line posts because the first connecting Cashman Elite strand will serve as a guide



## Bracing Requirements

### Corners:

- Greater than 20 degree angles are considered corners and should be braced in both directions

### Ends:

- Start/stop fencing
  - Gateways
  - Cross fencing
  - Side of buildings

### In-Line:

- To maintain tension, install a bracing system every 2000 ft

**Please Note: Proper bracing will help account for the post shifting and reduce maintenance. Improper and insufficient bracing can lead to failure**

## Bracing Installation

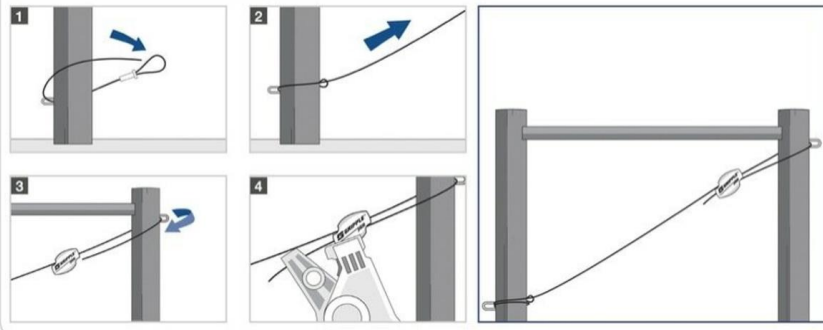
### H-Brace (Horizontal Brace)

- Mark the middle space between the desired placement of the top two strands of Cashman Elite
- Set your horizontal rail there and drive a brace pin through the predrilled hole of the post
  - Measure and pre-drill hole for ease
  - The brace pin should protrude by 1/2" to hold the brace wire
- Wrap the brace wire around the top of the brace post and connect it to the bottom of the end post
- Tension the brace wire with a tensioning stick, ratchet strainer, or a **Gripple** (set a nail so that the wire will not slide up)

Using a **Gripple**:



#### INSTALLATION



#### TIPS

- Always tension on the tail wire so as not to damage the coating on the active wire rope
- Always install the Gripper unit at the top of the installation
- Always 'choke' the wire rope tightly against the bottom of the post to avoid the possibility of animals hooves being caught

**Please Note: The brace wire cannot touch any Cashman Elite strands or else it could lead to an electrical short**

## Insulator Requirements & Installation

- Measure and mark the location of each planned strand of Cashman Elite
  - It is suggested to create a jig for quicker measurements (stick with correct length for repeated marking)
- Attach roller insulators using 2 ½" rust resistant screws
  - **Do not over tighten** as it can break the bracket!

**Please Note: All posts must have insulators as wood is a conductive material**

## Insulator Installation in Trees

Insulators can be applied to trees in a wooded area!

- The mature tree must be at least 8" in diameter
- Avoid small trees as movement can wear down the Cashman Elite strands



- Remove and maintain any brush that might come into contact with the fence
- Attach a 2x4 to the tree and then apply the insulators to the 2x4 (prevents tree growth on top of the insulator)

## Line Post Installation

- To gain a guide, secure a line of Cashmans Elite between two corner posts and mark the placement of each line post
  - Repeat the same steps as the corner post installation, applying the insulators while noting which side the strand will run through
  - On hilly terrain, install line posts at the peaks and in the valleys first, spacing the remaining posts evenly between them
  - Posts can be spaced up to 50 feet in larger, flat pastures

**Please Note: When installing line posts with T-Posts, place the flat side inwards to allow the braids to run on the inside of the paddock**

## Braid Installation

Feeding the line:

- Starting at a roller insulator, wrap the Cashman Elite strand through and around the roller
- Secure the rope to itself with a copper split bolt
- The copper bolt should be 2" from the roller insulator and have 4" of tail space
- Cut, tape and singe the ends with a lighter to prevent fraying
- Run the rope through the line post insulators down your fence line (see page 15 for instructions of opening roller insulators)
- When you get to a corner post, run the Cashman Elite strand through the roller insulators on the back side of the post
- Continue down the fence line and terminate at your end post using the tensioning instructions on page 15



Scan QR Code with Phone Camera for Installing the Cashman Elite Strands YouTube Video

When to use the copper split bolt:

- Used for starting and stopping
- Used for splicing
- Used for running/connecting lead out wire from the fence charger to the rope

How to use copper split bolt:

- Wrap copper split bolt around both strands with the larger bolt resting on the tail end
- Use ratchets to secure bolts into place



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Opening the insulator:

- Using a utility knife, pull the pin cap out of the bottom of the insulator
- Grab the pin from the top and remove the roller
- Place the line inside the insulator brackets and reinsert the roller
- Replace the pin and make sure it is secure

Tensioning the Line:

- Place the tensioning kit on the braided strand, around 2ft from the end post
- Wrap the ratchet rope around the end post, using the carabiner to fasten
  - Hook the tensioning clamp onto the tensioning device and use the ratchet to tighten it
  - Only use the amount of force that your body can create as using more could snap the rope



- Once tightened, place another copper split bolt on the end post and secure as done before
- Detach the tensioning kit



Scan QR Code with Phone Camera for Tightening the Strands  
YouTube Video

## Electrification Requirements

### Power System Type

- Plug-in unit (near an outlet)
- Solar Power unit (near a fence)

### Size of charger needed

- Joule Output = 1 joule per mile for fencing multiplied by the number of electrified Cashman Elite strands

Every charger requires 3 ground rods of six foot in length or longer

- Recommended 10 ft apart from each other in a triangular formation ~25' from the charger
- Needs to be able to tap into the water table for moisture

### Copper Lead Out Wire

- Wire running from charger to fencing via underground
- Used to jump strands and gates

## Need Any Assistance?

Reach out to our expert team!

(740) 363 –7063

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