AMERICAN
CABLE & RIGGING SUPPLY

The following information is needed in order to give you an accurate quote. Please read carefully and if you have any questions, please call or email (cablerail@bellsouth.net) for assistance.

1. **End Post** – If using wood, minimum suggested end post should be 6x6 (with top rail, see below). All wood post must be able to sustain 3500 lbs of tension or bowing may occur. If using steel, square tubing minimum is 2x2 and round tubing minimum is 1-1/2".

Mark your choice:

- ☐ Wood
  - ☐ 4x6 ☐ 6x6 ☐ 8x8
- ☐ Square tubing
  - ☐ 2x2 ☐ 3x3 ☐ 4x4 ☐ 6x6
- ☐ Round tubing
  - ☐ 1-1/2" (1.9" OD) ☐ other _____

2. **Post Spacing** – The spacing requirement between posts should not exceed 5' for intermediary support. This allows the cables to be tensioned properly and keeps them from flexing apart too far to pass inspection requirements (*Note:* Each county has its own requirement for horizontal ram spear inspections. We will need to know what the requirement is for site installation.)

3. **Top Rail** – A top rail is required in order to maintain system integrity and to allow for proper tensioning. It is also generally required to pass inspection. The size is dependent upon the type and size of end post. The minimum height of the top rail is 36". When installing a wood top rail, we recommend the top board to be a 2x6 and that you have a 2x4 turned vertically underneath. For metal, we recommend a minimum of a 1x3 rectangular tubing.

Top Rail Height? ____ Thickness of top rail _____

4. **Cable Size** – Options for cable size are 1/8" (common in residential) and 3/16" (common in commercial)

Mark your choice: ☐ 1/8" or ☐ 3/16"

5. **Cable Spacing** – In order to meet most codes, our experience has been that cables should be spaced 1" less than code requirements. This allows for deflection when inspected with the ram spear (example: if code is 4", cable should be placed 3" apart). Number of cables per run are determined by the height of the rail and the spacing requirement codes. This can be determined by measuring the distance from the floor to the bottom of your top rail. You take that distance and divide by the number of cables plus one space to get the cable spacing (example: if you have 31" under your top rail, you will divide 31" by 10 spaces, 9 cables, to get 3.1 or 3-1/8" centers).

Cable Spacing? ____
Number of Cables? ____

6. **End Fittings** – The end fitting types depends partly on lengths of runs. The least expensive is using a threaded stud on each end, but this limited to runs less than 30' and must have access to the outside of the post. A deck toggle turnbuckle system is also a popular option (suggested for stairs and face mounts).

Mark your choice:
- ☐ Stud – Stud
- ☐ Stud – Pull lock
- ☐ Deck Toggle Turnbuckle – Deck Toggle
- ☐ Stud – Deck Toggle

7. **Cable Lengths** – The needed length of cable should be determined by the end fittings. If using threaded stud, measurement is from outside post to outside post. If using deck toggle turnbuckle, measurement is from inside post to inside post.

How many runs of cable are needed? ____
Length of runs? ____ ____ ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

8. **Sketch** – Please provide a sketch (with measurements). Blueprints or hand drawn will both work. If you have prints to email, please send to cablerail@bellsouth.net.

American Cable can build the entire framework system (steel or stainless, but not wood) including cable installation or we can install just the cables of a framework built by others (as long as above criteria are met). We can also supply cables for self-installation.

Mark your choice:
- ☐ American Cable builds entire system
- ☐ American Cable installs cables only
- ☐ American Cable provides cable for customer installation