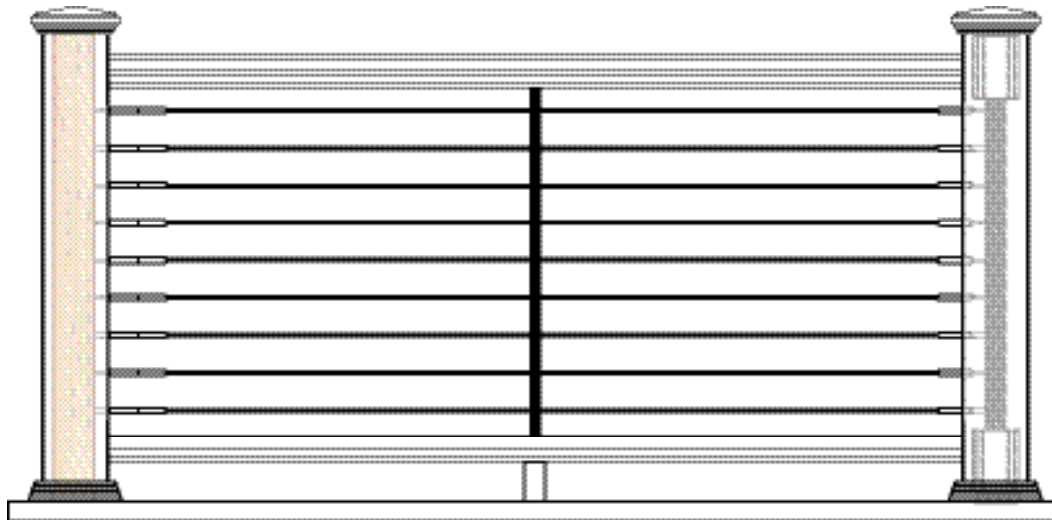


FAIRWAY RAILING™

BY **Envision**
OUTDOOR LIVING PRODUCTS

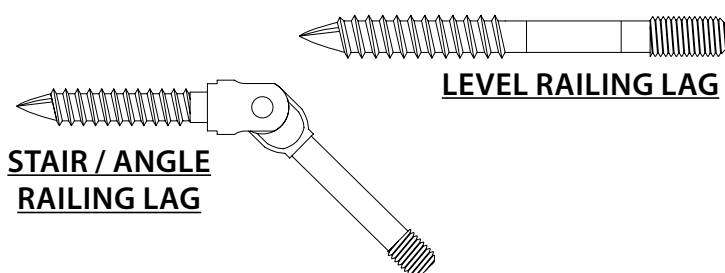
Horizontal Cable Installation Quick Guide*

It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **Fairway Architectural Railing Solutions, shall not be held liable for improper or unsafe installations.**



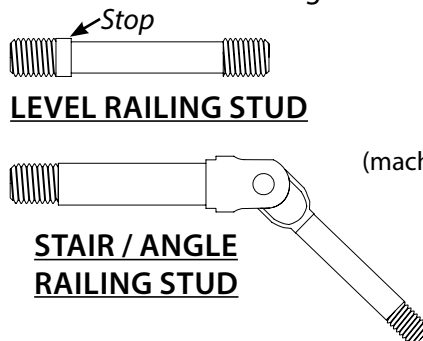
WOOD POST

Hardware for installing cable railing into wood posts.



FD POST

Hardware for installing cable railing into FD POST.

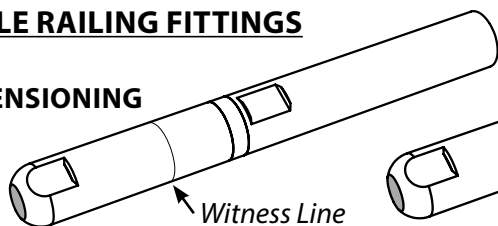


FD POST MOUNT

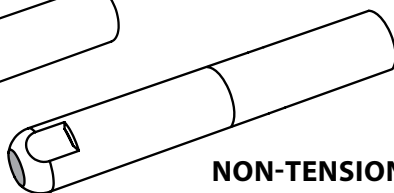
- Available in
- **Flow-Drilled**
(machined to receive fittings)
 - **Pass-Through**
(cable passes through)

CABLE RAILING FITTINGS

TENSIONING

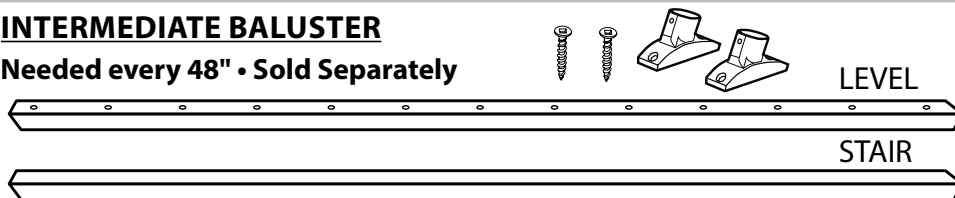


NON-TENSIONING



INTERMEDIATE BALUSTER

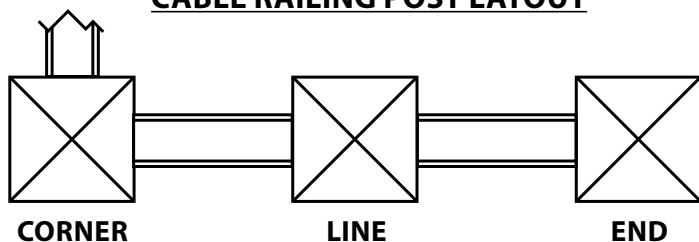
Needed every 48" • Sold Separately



TOOLS NEEDED FOR INSTALLATION

- Cable Cutter
- 3/16 Hex Head Bit
- Miter Saw
- Drill - **set to low speed**
- 3/16", 7/32", 7/16" Drill Bits
- (2) High-Quality 3/8" Open End Wrenches
- Tape Measure
- T- Bevel for stair

CABLE RAILING POST LAYOUT

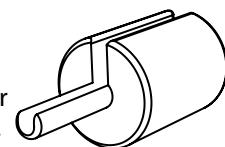


CABLE INSTALL TOOL -

(Included in tensioning fittings package)

To insert cable, slide install tool into tensioning and / or non-tensioning fitting to open fitting and install cable.

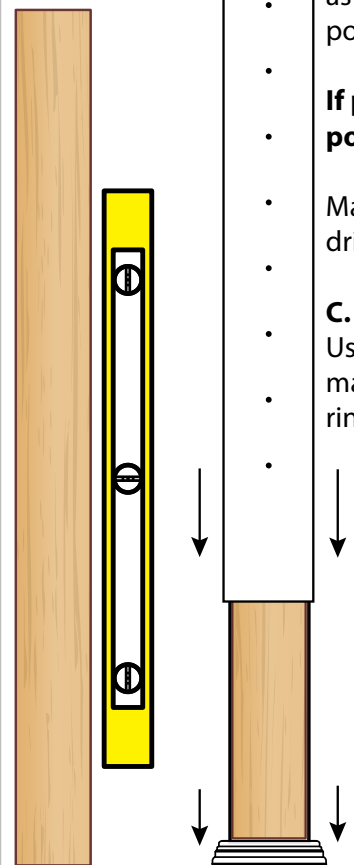
Tip : To remove the cable wire from fitting, insert cable install tool in the fitting to disengage the jaws. If cable has been tensioned, tensioning fittings should be replaced after cable install tool has been used.



LEVEL RAILING

1 WOOD POST LEVEL RAILING INSTALLATION

1A 1B



A. Plumb post/mounting surface.

B. Install post trim ring.

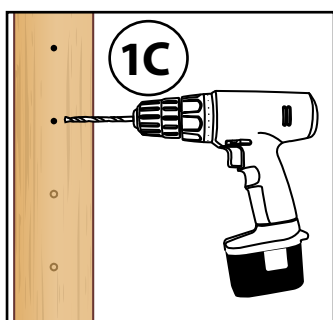
- Install pre-drilled post sleeve to use as a drill template for post/mounting surface.

If post trim ring has tabs be sure post sleeve rests on tabs.

- Mark post/mounting surface drill locations.

C. Remove post sleeve.

- Using a 7/32" bit drill pilot holes at marked locations. Slide post trim ring and post sleeve over post.

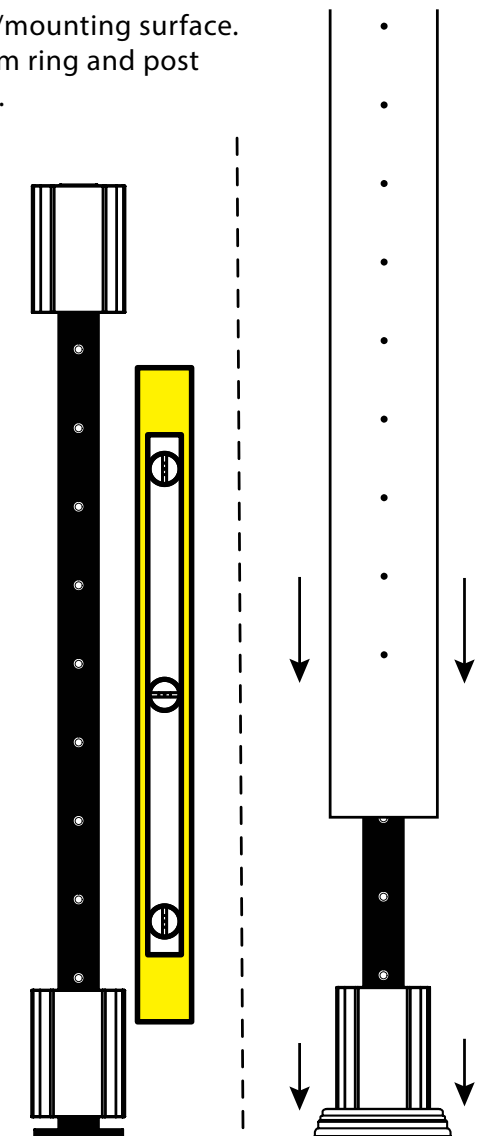


1 FD POST LEVEL RAILING INSTALLATION

Plumb post/mounting surface.

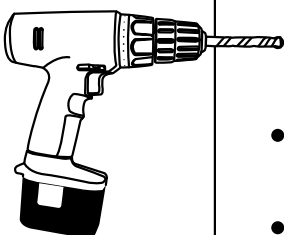
Slide base trim ring and post sleeve over post.

If post trim ring has tabs be sure post sleeve rests on tabs.



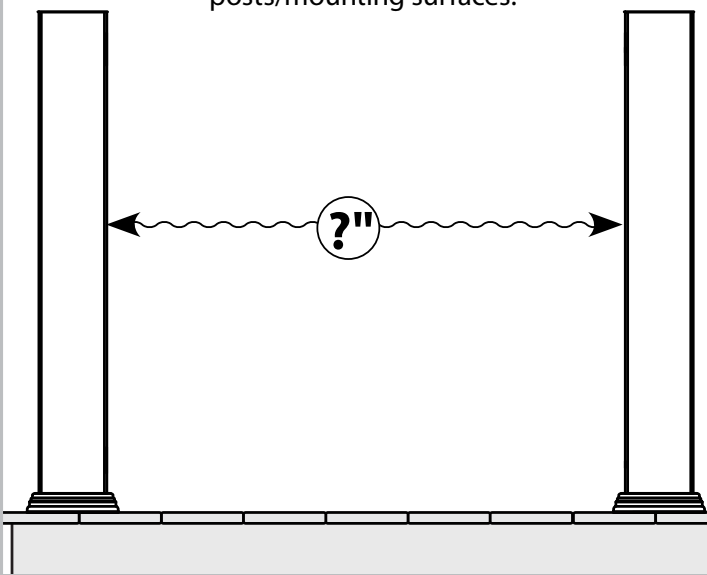
**INSTALL ALL FRAMEWORK (RAILS AND INTERMEDIATE BALUSTERS)
BEFORE CABLE AND FITTINGS INSTALLATION
MAKE SURE TOP RAILS IS 36" IN HEIGHT OR GREATER**

2 Termination (Corner/End) post sleeves must have pre-routed holes enlarged with a 7/16" drill bit to receive cable railing tensioning fittings.



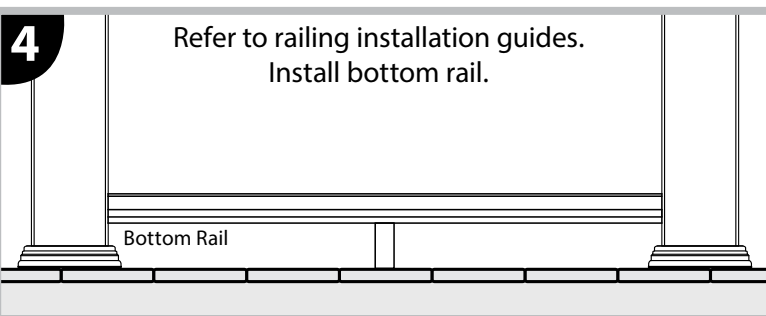
3

Measure distance between posts/mounting surfaces.



4

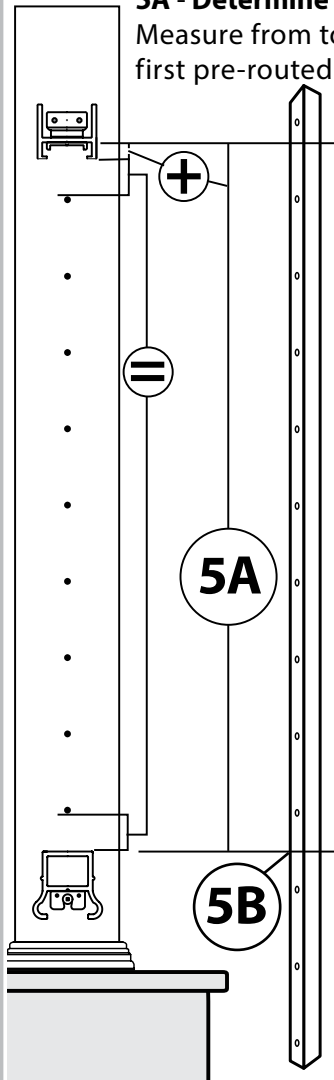
Refer to railing installation guides.
Install bottom rail.



5 INTERMEDIATE BALUSTER

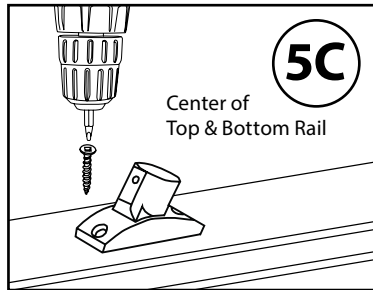
5A - Determine Intermediate Baluster Length.

Measure from top of bottom rail to bottom of first pre-routed hole on the post sleeve.



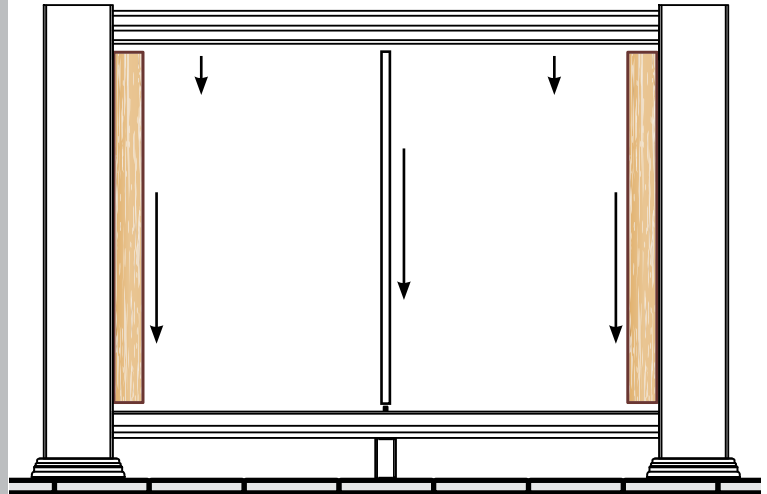
Transfer measurement to above top pre-routed hole in post sleeve. Add distance to bottom of top railing surface.

5B - Transfer measurement to intermediate baluster. MAKE SURE PILOT HOLES ALINE. Cut intermediate baluster using a miter saw with a fine tooth carbide blade.



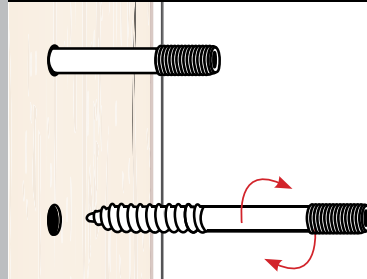
5C - Install Intermediate Baluster. Locate center of top and bottom rail. Using supplied hardware install intermediate baluster connectors on top of bottom rail and underside of top rail.

6 Cut two shims the same length as trimmed intermediate baluster. Install intermediate baluster on connectors from 5C. Install intermediate baluster and top rail as instructed in railing installation guide.

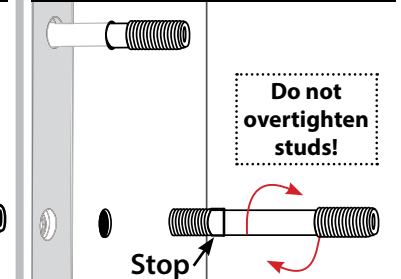


7 Wood Post - Insert cable rail lag screws into wood post, then tighten with a 3/16" hex wrench until lag threads are buried in post. **FD Post** - With the stop toward the post, hand-turn the cable rail stud into the FD Post to start threads, then tighten with a 3/16" hex wrench. Do not overtighten studs.

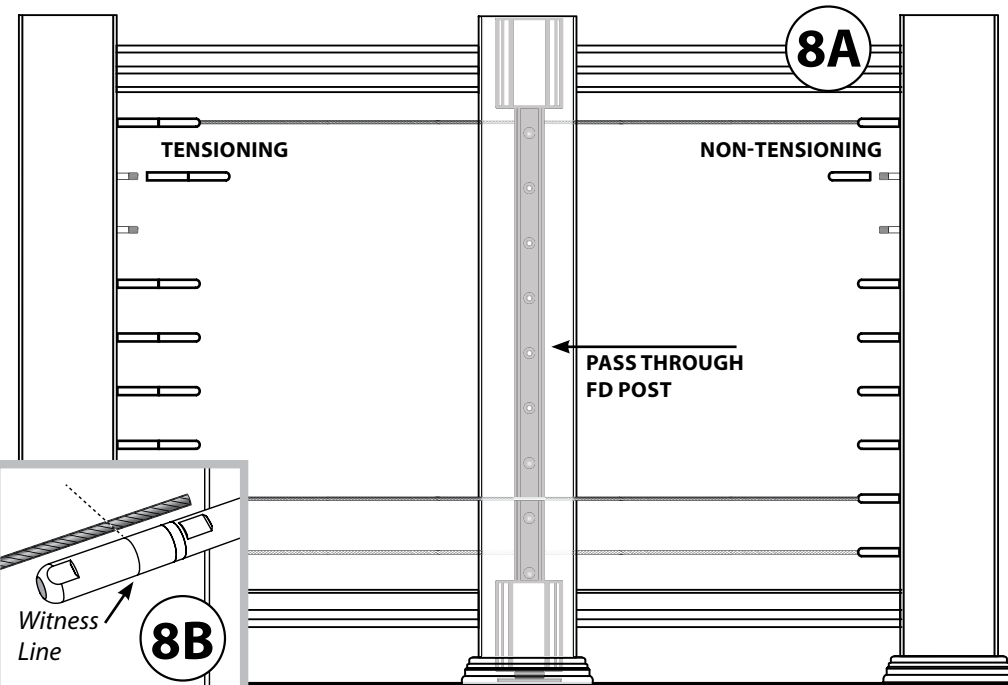
WOOD POST



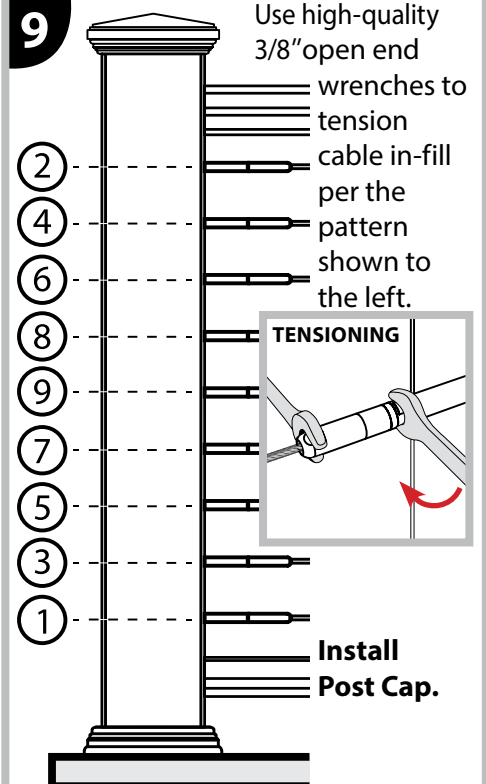
FD POST



8 8A - Install tensioning and non-tensioning cable rail fittings. Insert cable into non-tensioning fittings, run cable through intermediate posts/balusters
8B - Pull cable to tensioning fitting and cut cable with cable cutters at witness line.



9 Use high-quality 3/8" open end wrenches to tension cable in-fill per the pattern shown to the left.



STAIR RAILING

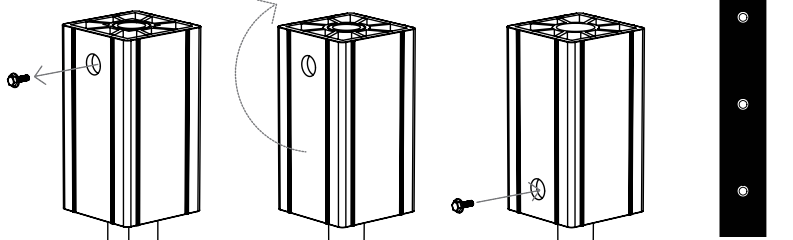
1 FD POST

AT BOTTOM OF STAIRS - flip the top block of FD Post to reveal a 10th cable fitting connection.

Remove Lock Screw

Rotate Top Block

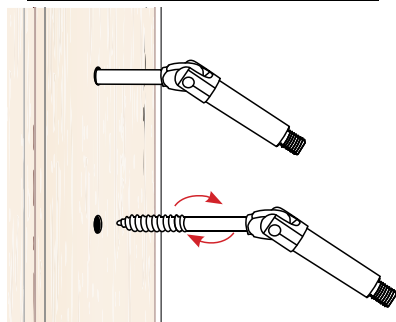
Reinstall Lock Screw



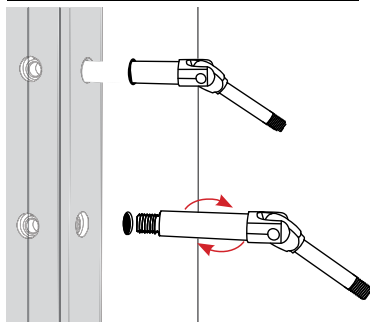
3 Wood Post - Insert cable rail lag screws into wood post, and hand tighten using fitting as leverage.

FD Post - Insert cable rail machine stud into post, and hand tighten using fitting as leverage. **Do not overtighten Studs.**

WOOD POST

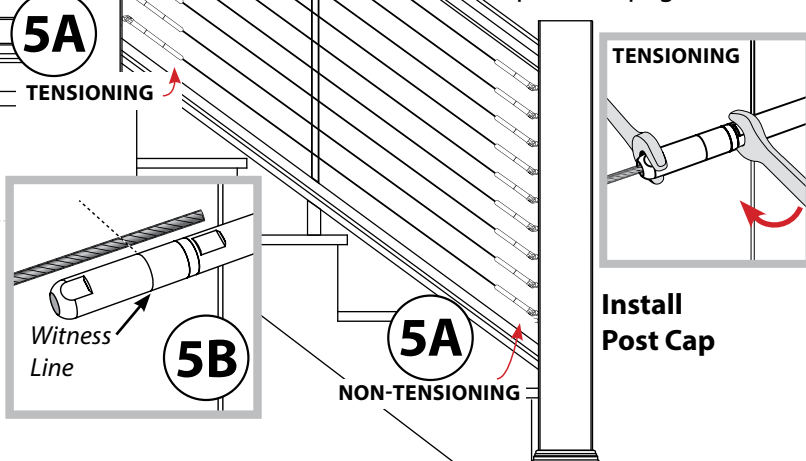


FD POST

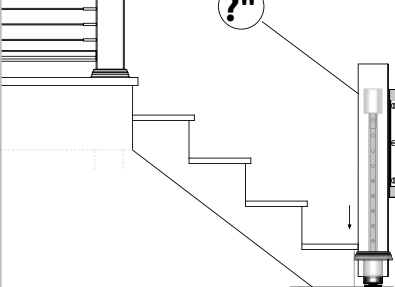


5A - Install tensioning and non-tensioning cable rail fittings. Insert cable into non-tensioning fittings, run cable through intermediate posts.

5B - Pull cable to tensioning fitting and cut cable with cable cutters at witness line. Use high-quality 3/8" open end wrenches to tension cable in-fill per the pattern shown on previous page.



2 Follow railing installation guides and repeat cable fitting installation as instructed in level railing guides. (Steps 1 - 6)

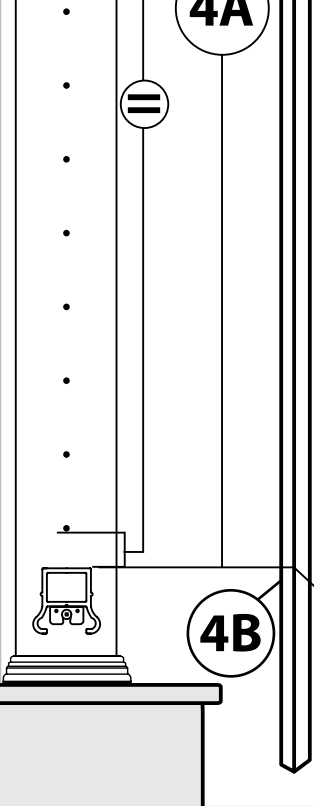


4 INTERMEDIATE BALUSTER

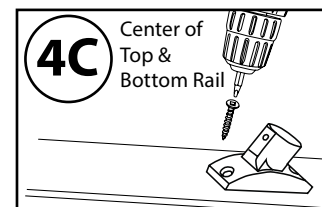
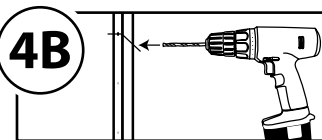
4A - Determine Intermediate Baluster Length.

Measure from top of bottom rail to bottom of first pre-routed hole on the post sleeve. Transfer measurement to above top pre-routed hole in post sleeve. Add distance to bottom of top railing surface. Subtract 1/4" from your measurement to account for the intermediate baluster connectors.

4B - Transfer measurement to intermediate baluster. Use a T-bevel to transfer the stair angle to the intermediate baluster and mark locations of pass through holes and end cuts. **Use a 3/16" drill bit to drill pass-through holes spaced 3-1/8" on center.** Do not drill straight through.



Cut intermediate baluster at stair angle using a miter saw with a fine tooth carbide blade.



4C - Install Intermediate Baluster. Locate center of top and bottom rail. Using supplied hardware install intermediate baluster connectors on top of bottom rail and underside of top rail.