



ProWood® Project Plan

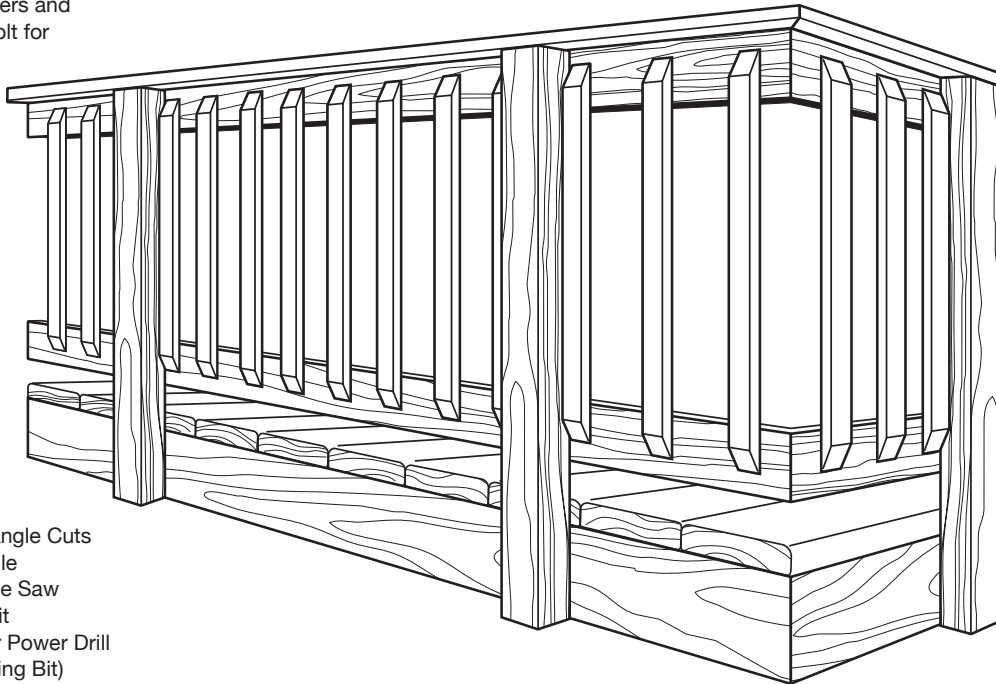
# CLASSIC RAILING SYSTEM

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With ProWood® Professional Grade pressure-treated lumber, balusters and pre-cut posts, you can easily build a durable deck or porch that will enhance your yard.

## Materials

- 4" x 4" x 4' ProWood® Pressure-Treated Pre-Cut Posts
- 2" x 4" x 8' ProWood® Pressure-Treated Lumber
- 2" x 6" x 8' ProWood® Pressure-Treated Lumber
- 2" x 2" x 36" ProWood® Pressure-Treated Balusters or 2" x 2" x 8' ProWood® Pressure-Treated Lumber
- One Box of 3" Galvanized Deck Screws
- Two 1/2" Carriage Bolts with Two Washers and One Nut per Bolt for Each Post

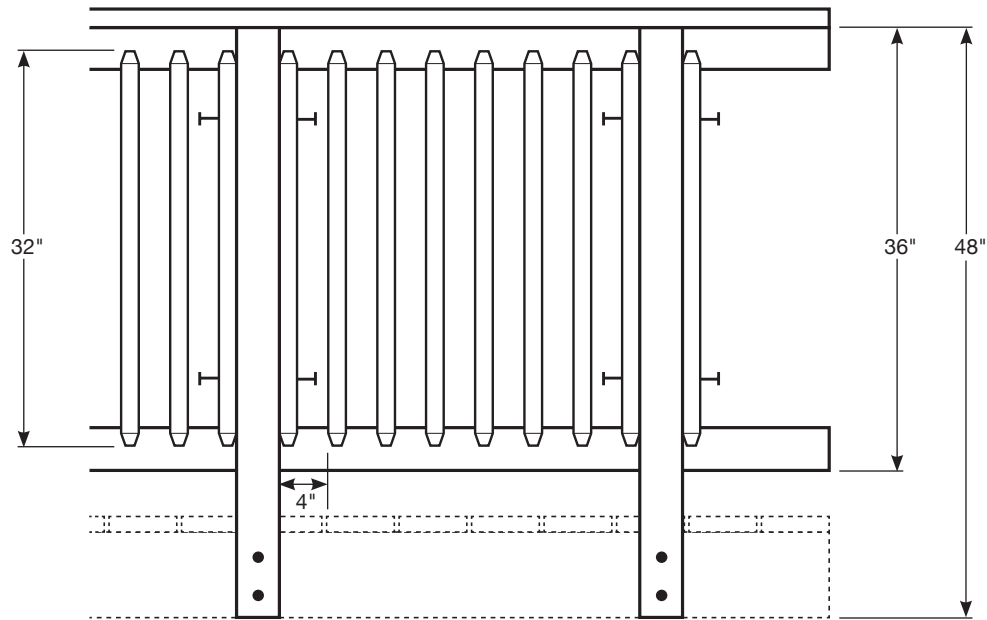


## Basic Tools

- Miter Box for Angle Cuts
- 45-Degree Angle
- Circular or Table Saw
- Drill and Drill Bit
- Screwdriver (or Power Drill with Screwdriving Bit)
- Adjustable or Ratchet Wrench
- Tape Measure



If your wood project touches the ground, use pressure-treated lumber that is rated for ground contact to ensure long-term performance.



### Position Posts

**Caution:** Always wear gloves, a dust mask and eye protection when sawing, sanding or machining wood.

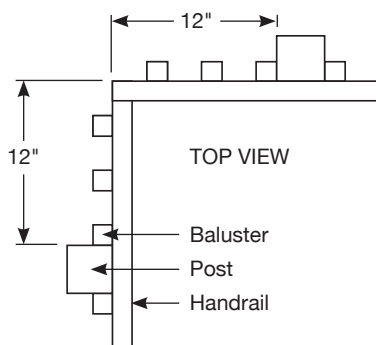
- Determine the positions of the rail posts by measuring the runs of the project and placing the posts at the desired spacing.
- Keep in mind rails come in 8' lengths.

### Attach Posts

- Consult local building codes for structural post fastening requirements.
- Attach the first pre-cut rail post to deck perimeter joists 18" or closer to the end of the deck. Ideal distance from end of deck is 12". Refer to the illustration below.
- Attach the remaining pre-cut rail posts to deck joists at the spacing you determined. Use two 1/2" carriage bolts with two washers and one nut per bolt for best results.

### Attach Rails

- Attach 2" x 4" rails to the posts with 3" deck screws.



### Cut and Install Balusters

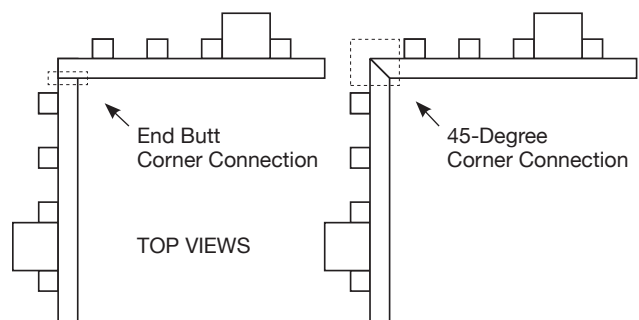
- Cut balusters approximately 32" long using 2" x 2" x 8' or 2" x 2" x 36" ProWood® pressure treated lumber. If balusters 36" or longer are used, extend baluster onto rim joist.
- Install balusters between rail posts, as illustrated, making sure a baluster is butted against both sides of each post for added stability and prevention of racking.
- Consult local building codes to ensure proper spacing.

### Form Corners

- Form corners by connecting the handrails either by butting the ends of the rails against each other or by cutting each rail at a 45-degree mitre. Refer to either of the two illustrations below.

### Add a Top Cap

- You may install either a 2" x 6" or 2" x 4" as a top cap.
- Place the top cap flat over the handrail and post, with a 45-degree mitre on each board at the corner.
- Secure the top cap to the posts with 3" deck screws.



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