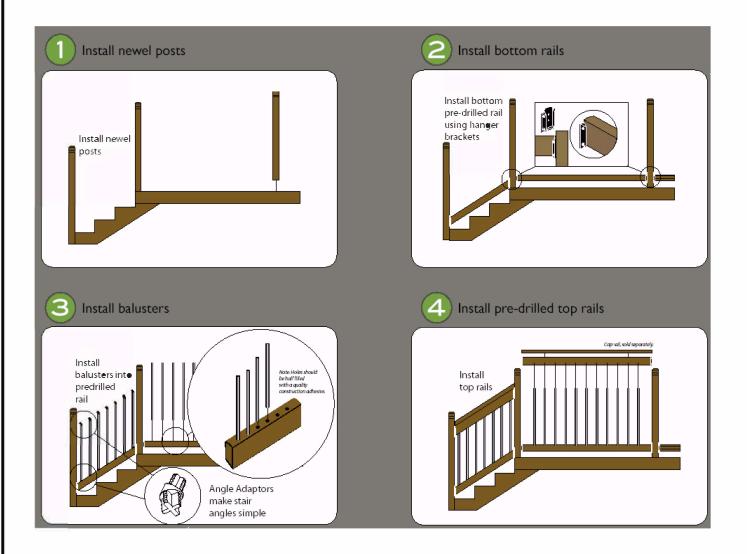
## **IIRAILSIMPLE**<sup>TM</sup>

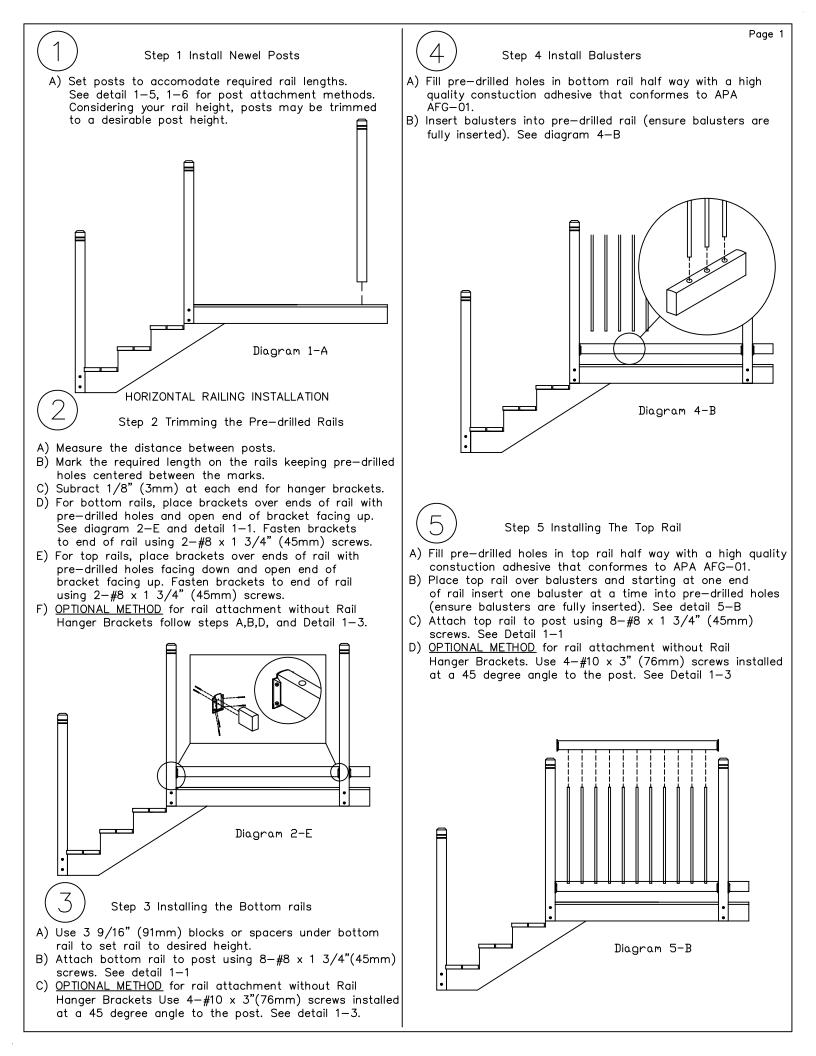
### TRADITIONAL RAILING INSTALLATION GUIDE



This document is a detailed step-by-step installation guide for the Traditional rail system.

These instructions may not cover all scenarios that may arise. Before beginning your installation take time to read all instructions thoroughly. A fundamental understanding of carpentry and a basic knowledge of power tools is essential. Please call our technical support line for any assistance required. 1-800-667-8247

Building codes are constantly changing and they can vary by province, state, county, city, town, and/or borough. In order to learn which codes are being used and how they will affect you and your construction project, contact your local building inspection department, office of planning and zoning, and/or department of permits.

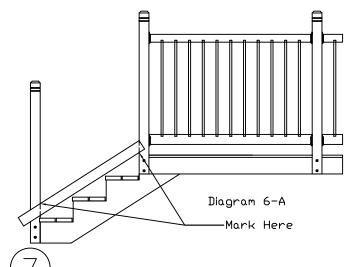


#### STAIR INSTALLTION

- Step 6 Trimming The Pre-drilled Rails
- A) Lay the bottom rail across the nosing of the stairs keeping the pre-drilled holes centered between the posts. Mark the points were it intersects the posts. See Detail 6-A
- B) Subract 1/8" (3mm) at each end of rails for hanger brackets.
- C) Trim the bottom rail with a miter saw.

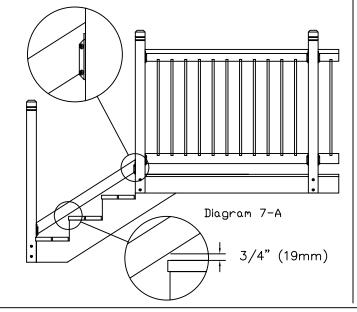
6

- D) Repeat this process for the top rail ensuring that the pre-drilled holes are facing downward.
- E) For bottom rails, place brackets over ends of rail with pre-drilled holes and open end of bracket facing up. See diagram 6-E and detail 1-1. Fasten brackets to end of rail using  $2-\#8 \times 13/4$ " (45mm) screws.
- F) For top rails, place brackets over ends of rail with pre-drilled holes facing down and open end of bracket facing up. Fasten brackets to end of rail using 2-#8 x 1 3/4" (45mm) screws.
- G) <u>OPTIONAL METHOD</u> for rail attachment without Rail Hanger Brackets follow steps A,C,D, and Detail 1–3.



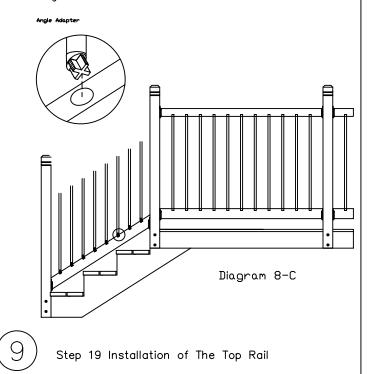
Step 7 Installing the Bottom rail

- A) Place bottom rail between posts and raise rail approx.
  ¾' (19mm) off the stair nosing See diagram 7-A
- B) Attach bottom rail to post using 8-#8 x 1 3/4" (45mm) screws. See Detail 1-1
- C) <u>OPTIONAL METHOD</u> for rail attachment without Rail Hanger Brackets. Use 4-#10 x 3" (76mm) screws installed at a 45 degree angle to the post. See Detail 1-3

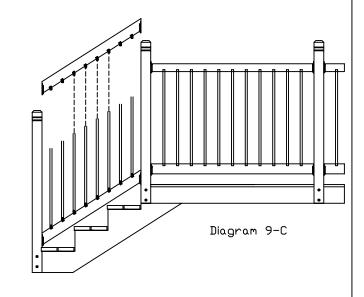


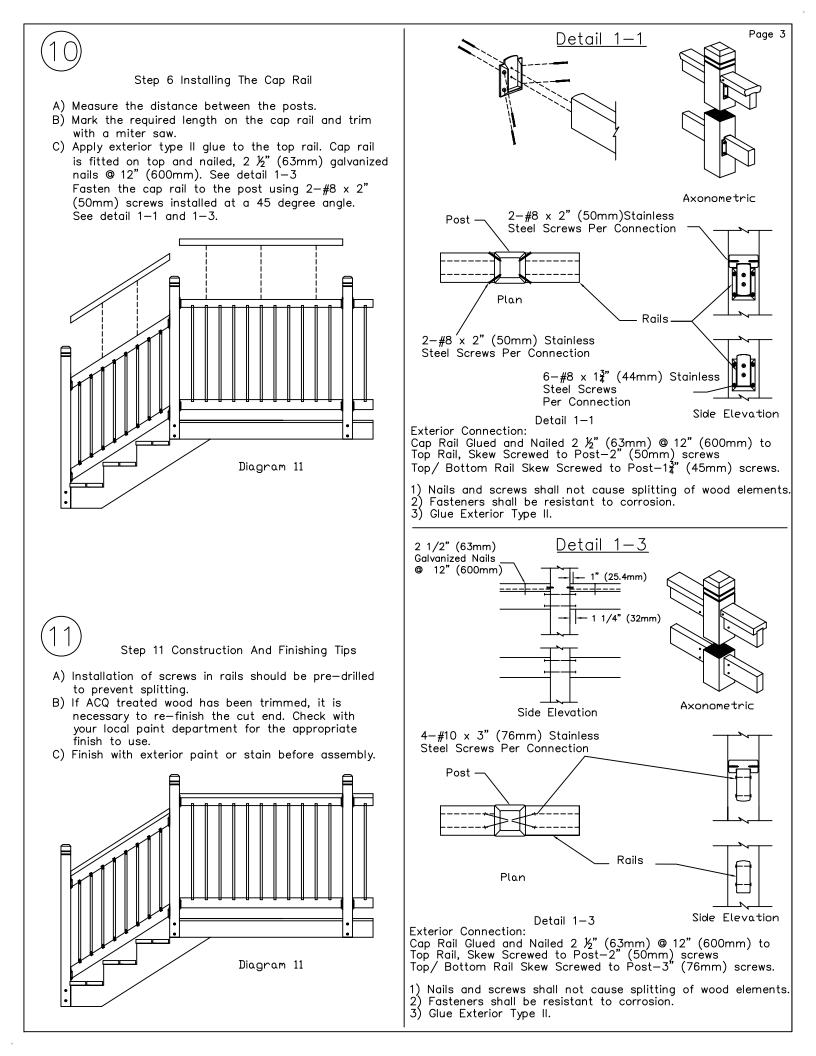
#### Step 8 Install Stair Balusters

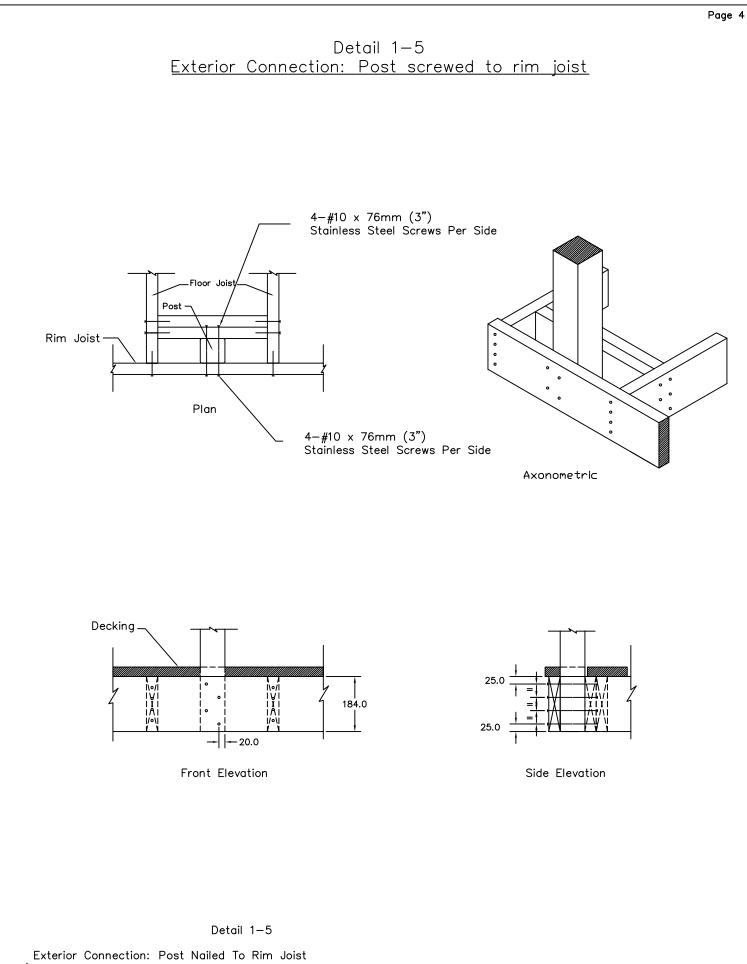
- A) Fill pre-drilled holes in bottom rail half way with a high quality constuction adhesive that conformes to APA AFG-01.
- B) Insert angle adapters into bottom of balusters.
- C) Push balusters into predrilled holes on bottom rail (ensure balusters are fully inserted). See diagram 8-C



- A) Fill pre-drilled holes in top rail half way with a high quality constuction adhesive that conformes to APA AFG-01.
- B) Insert angle adapters into the holes of the top rail ensuring the adapter is facing in the correct direction.
- C) Lower top rail over balusters and starting at one end of rail insert one adapter at a time into balusters (ensure balusters are fully inserted). See diagram 9–C
- D) Attach top rail to post using 8-#8 x 1 3/4" (45mm) screws.
- E) <u>OPTIONAL METHOD</u> for rail attachment without Rail Hanger Brackets see Detail 1-3. Use 4-#10 x 3" (76mm) screws installed at a 45 degree angle to the post.







1) Decking is omitted from plan view and the axonometric view for clarity.

2) Fasteners shall be resistant to corrision.

# • • RAILING SYSTEMS COMPONENTS ACCESSORIES

For Technical support please call

## 1-800-667-8247

Instructions are also available on our website www.railsimple.com

#### Tool List

HammerRatchet WrenchTape MeasureWood ChiselMiter sawLevelClampsHand DrillStainless Screws#8 x 2" (50mm) Drill Bit Size  $\frac{9}{64}$ " (3.5mm)Stainless Screws# 10 x 3" (76mm) Drill Bit Size  $\frac{11}{64}$ " (4mm)Galvanized Nails 2 ½" (63mm)Carpenters Glue (exterior type II)Construction Adhesive (conformes to APA AFG-01)