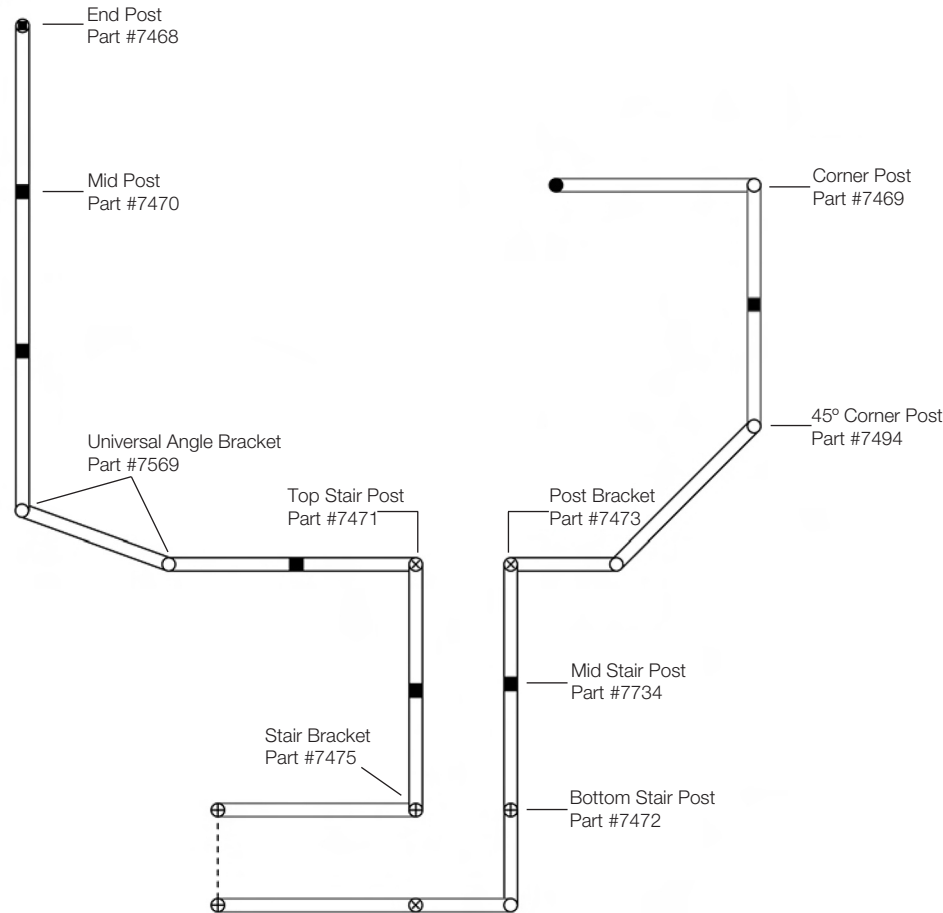


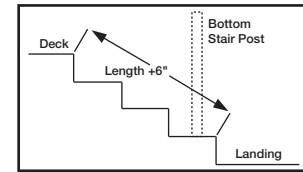
## Railings - Sample Layout



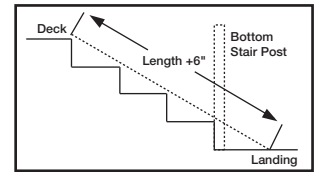
### Stairs

When calculating the material needed for stairs, use the following guidelines:

•If bottom post to sit on last tread



•If bottom post to sit on landing deck



### To Determine Your Glass Size

To determine your glass sizes you must calculate size of the openings (measurement between posts) in your railing. Take your outside measurements of your deck. For each sections of railing on your deck you must deduct the posts and/or the wall connections from this overall section length.

- Deduct 3" for 90 or 45 degree post
- Deduct 2" for a mid-post
- Deduct 3/4" for wall or post brackets

Stair posts - deduct only the post bracket attached to the stair post.  
 Example: If "section of railing" is 120" from wall to the corner of the deck and you have 1 wall bracket, 2 mid-posts and a 90 degree corner post in this section, the deductions would be as follows: (see parts application diagram) 120" - 3" (90 degree post) - 4" (2" for each mid post) - 3/4" (wall bracket) = 112.25". In this example you have 2 mid posts, therefore you will have 3 openings for glass to go into. to determine the glass size: Take the 112.25" and divide by 3 openings = 37.42" per opening. Your ordering size will be the 37.42" less approximately 2" to allow space for you to insert the glass into the railing frame. In this case 36" wide glass would be acceptable. Glass available in 2" increments: Deduct only 1" opening size for Windwall.

#### Approximate Postspacing:

Picket approx 6' - 8', Glass approx 4' - 5'. Consult manufacturer for layout and design recommendations for engineered installations. Additional fees apply.

### Spacing

**Posts Approx. 6' - 8' - Glass Approx. 4' - 5'**

Consult manufacturer for layout and design recommendations for engineered installations. Additional fees will apply.

### Tips

When ordering always get the largest package available. If you require 2 - 6' pieces of top and bottom rail, we recommend that you purchase a 12' top and bottom rail package. The same applies to the picket packages.

All assembly fasteners are included with each post, wall or post bracket, stair bracket and packages.

Be sure to use only a neutral cure type of silicone caulking. Ask your dealer for more information.

#### Tools and materials required:

- ▣ Hacksaw or 10" mitre saw with metal cutting blade
- ▣ Electric drill - 1/8" and 3/16" drill bits
- ▣ 3/8" Hex head driver
- ▣ Measuring Tape
- ▣ Neutral cure silicone exterior caulking

## Railings - Layout Planner (working copy)

\* Measurements should be from the outside edge of your deck.

# LANG

