



# Stair Parts Catalog

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# GLOSSARY

## **BALUSTER**

Upright pieces that run between handrail and tread or shoerail.

## **CONTINUOUS RAIL**

System where handrail runs over the top of posts. Rail is connected with fittings (return, bends, easing, etc.) to form one, long run.

## **EASING**

Continuous rail fitting used to help make transition from rail to newel, often used with gooseneck fittings.

## **FINIAL**

Turned, decorative cap, or knob, that attaches to the top of the post.

## **GOOSENECK**

Continuous rail fitting used to make transition from stairway to landing.

## **HANDRAIL**

Rail that is grasped for support when using a stairway.

## **NEWEL**

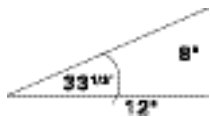
Main posts, or uprights, that support the handrail.

## **NOSING**

Rounded projection of the tread beyond the face of the riser.

## **PITCH**

The angle of ascent or rise of a stairway, defined either in degrees (34?) or in rise over a given run (8" up in a 12" run).



## **POST TO POST**

Rail system where handrail is comprised of discrete sections that butt into the side of finial topped posts.

## **TREAD**

The step or walking surface of the stairway.

## **TURNOUT**

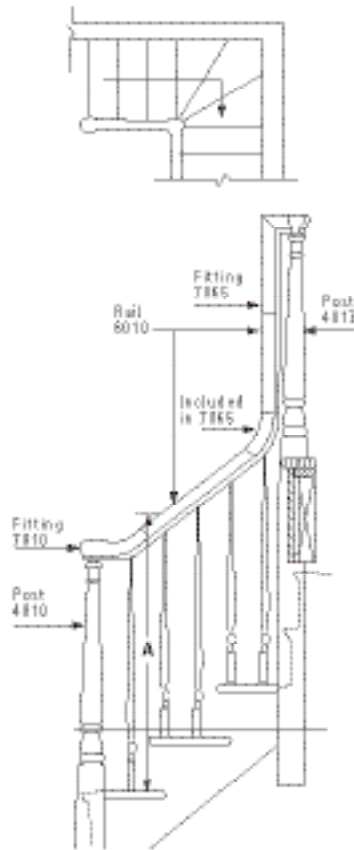
A smaller volute supported by newel and two balusters.

## **VOLUTE**

The spiraled end of the railing that is commonly used on the starting step supported by a post and four or five balusters.

- This is by no means a complete guide to code requirements, it is intended only as a guide in selecting and ordering materials.

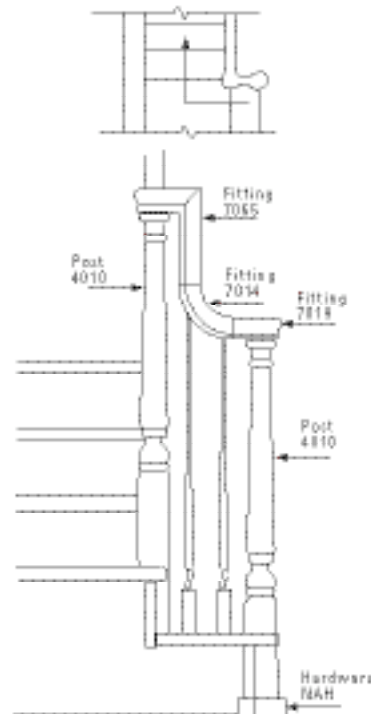
## PLAN A



### Continuous Rail

Fitting to 4 riser gooseneck at a 3 pie 90° landing. The gooseneck fitting has the bottom easing unattached to add a piece of rail.

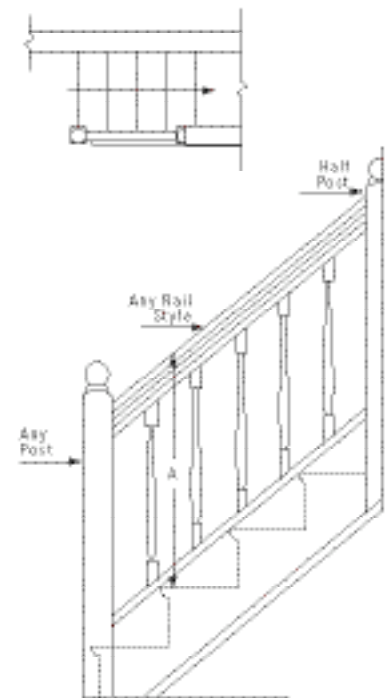
## PLAN B



### Continuous Rail

By using a combination of fittings to go up one step to a landing and turning 90° to continue up.

## PLAN D



### Newel to 1/2 Newel / Rail

Shoe and fillet are set on top of the exposed boxed stringer. Heavier rail and balusters are usually used.

## PLAN C

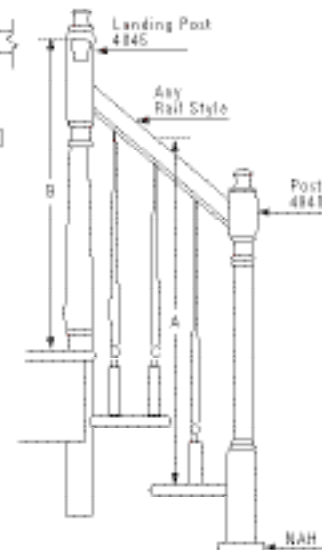
*This plan relates to Step 10 in Guidelines for Stairway Installation.*

### Post to Post using Landing Newel



### Newel to Newel Rail

Notice how the longer top square on the landing newel allows rail to intersect at two different levels. More massive rail balusters can be used.



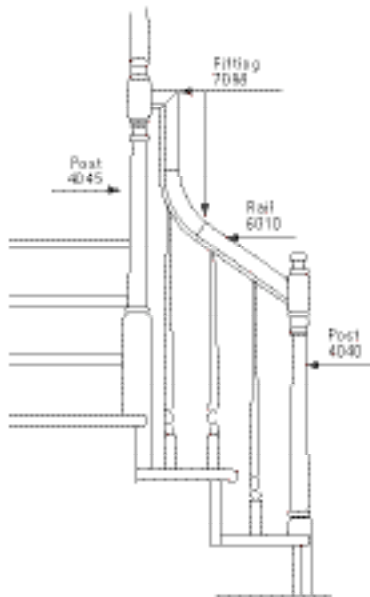
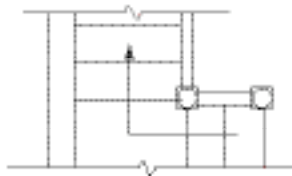
# STAIRWAY PLANNING

## PLAN E

*This plan relates to Step 10 in Guidelines for Stairway Installation.*

### Newel to Newel Rail

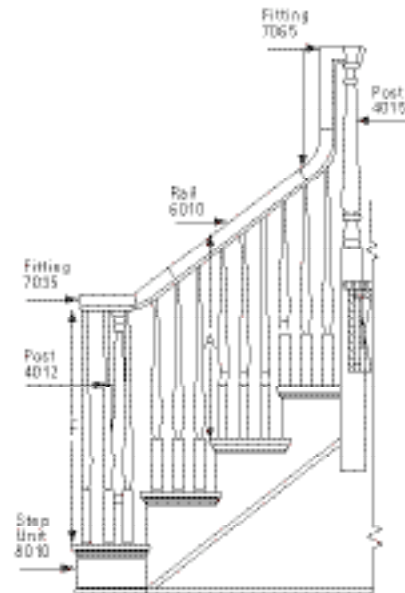
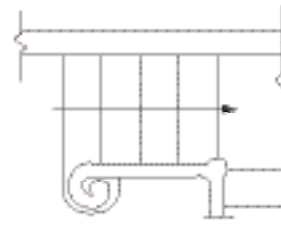
The gooseneck fitting allows adjustment so that top squares on the newels can be the same size.



## PLAN F

### Continuous Rail

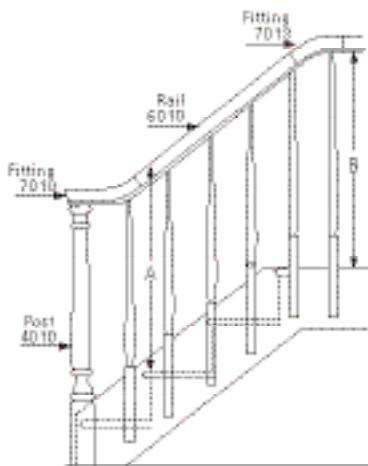
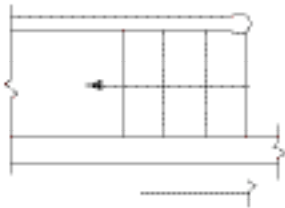
Volute to a gooseneck at a landing and making a 90° turn. The gooseneck with the bottom easing unattached makes it easy to adjust varying rail heights. When 3 balusters per tread are required, use only 1 1/4" and taper top balusters.



## PLAN G

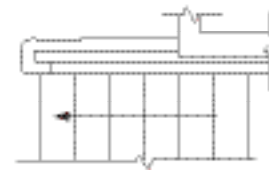
### Continuous Rail

Starting easing to an overeasing for a graceful free flow effect. Note how balusters anchor to skirt board giving the structural requirements. Use longer length balusters.

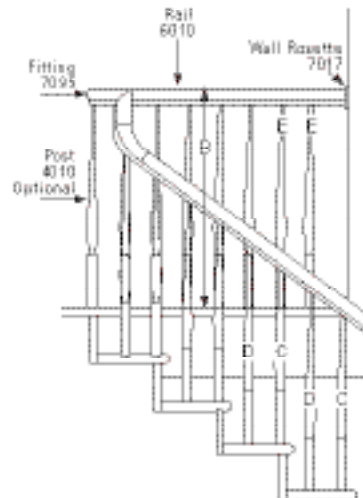


## PLAN H

Continuous rail to the 2nd floor and returning 180°. A fitting designed for a newel should be used if the level rail is more than 4 feet long.



Optional 180° fitting for a newel 7095 W/C





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