



Signature Stairs

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**DESIGN
GUIDE
2013**

SIGNATURE STAIRS

DESIGN GUIDE 2013

“Design Drives the Outcome”



DEFINITIONS of Core Staircase Components

STAIRCASE

Strings - The core structural 'beams' of the staircase between the ground floor & upper floor, and serve to provide support for the Treads & Risers.

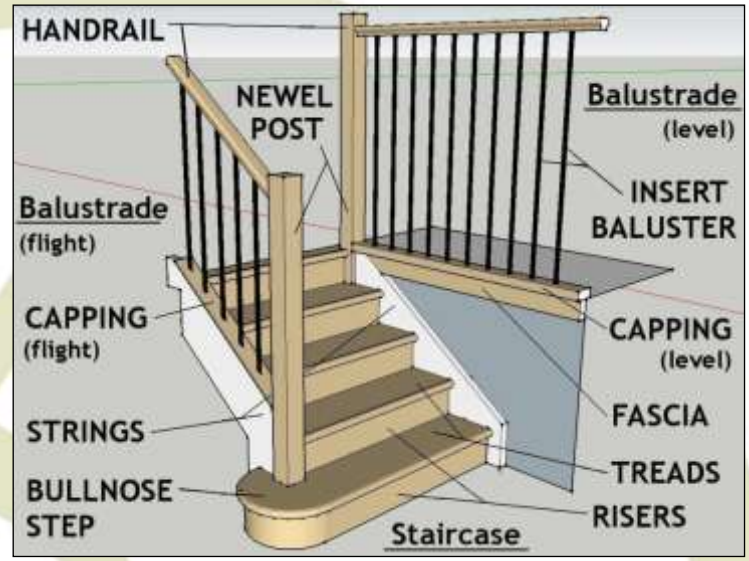
Treads - The step/s, upon which people place their feet as they ascend & descend the staircase.

Risers - The vertical boards situated underneath the nosing (front) of a tread, which are used to form a closed staircase.

Bullnose Step - Is a larger step typically at the 1st and 2nd (sometimes) step which serves to widen the opening of a staircase.

Landing - Is a larger platform step, at locations on the staircase where there is a change in direction (quarter turn) or along flights to necessitate a 'resting' point.

Winder Steps - Are smaller angular steps commonly used at the change in direction, with them you can fit more steps in less space as compared with a Landing.



BALUSTRADE

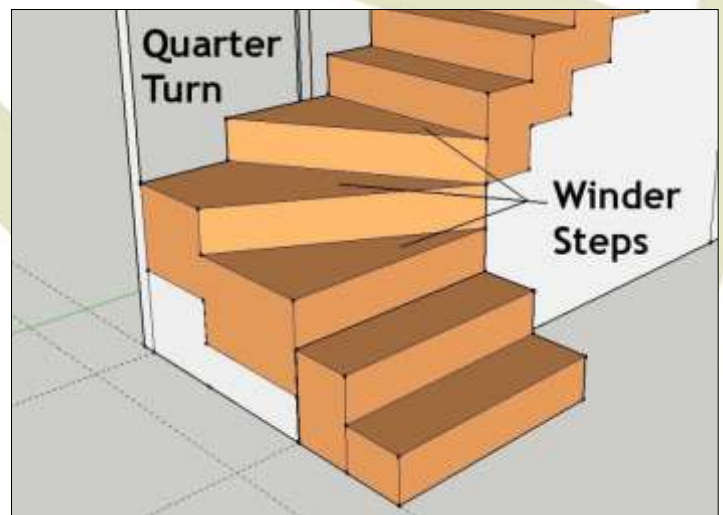
Newel Posts - The vertical uprights which depending on the configuration of the staircase either provide core structural support to the Strings, Winders or Landings and/or sections of Balustrade.

Insert Baluster - The vertical uprights located along a section of Balustrade which provide support to the Handrail and restrict a section of Balustrade from being breached, preventing a fall.

Handrail - Located across the top of a Balustrade (or as a stand alone wall-rail), the Handrail provides a hand-hold when traversing up and down the staircase and provides additional structural support to a section of Balustrade.

Capping - Is located along the upper floor where there is a section of Level Balustrade or either on the staircase flight on top of the String when the staircase has Closed Strings & the Flight Balustrade has Newel Posts.

Fascia - Is positioned under the Level Capping to finish off the juncture where the wall meets the floor. There are different ways to finish off this juncture, some staircase & balustrade designs are done so without a Fascia.

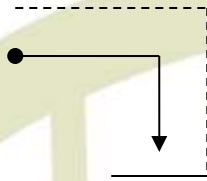




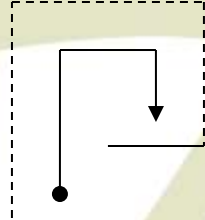
STAIR LAYOUT: ~ "The overall path which the staircase follows to reach the upper floor."



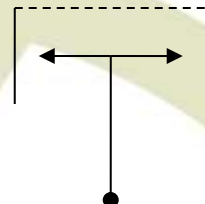
Straight-Flight



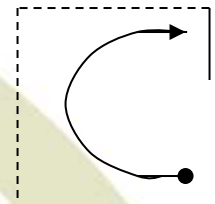
L-Shape



U-Shape

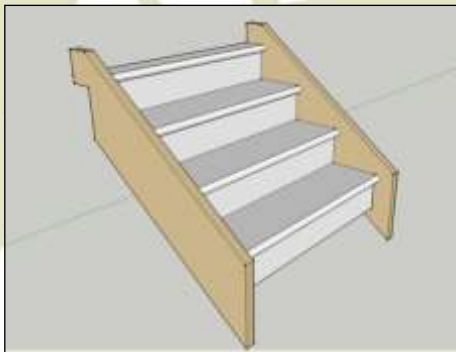


T-Shape

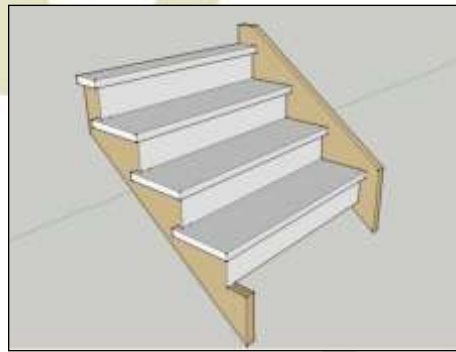


Geometric Stair

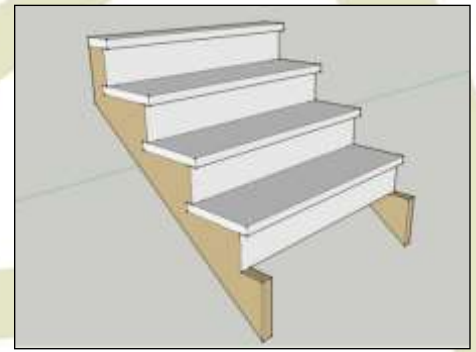
Staircase FORM & STRING CONFIGURATION: ~ "Is the staircase open or closed, & how are the Strings of the staircase arranged?"



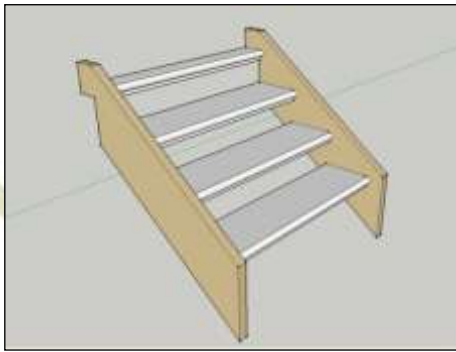
CLOSED STAIR ~ Closed Strings



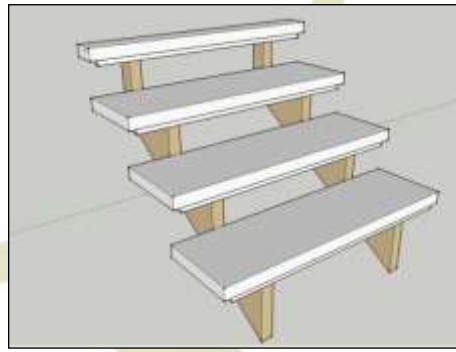
Cut String to Open Side



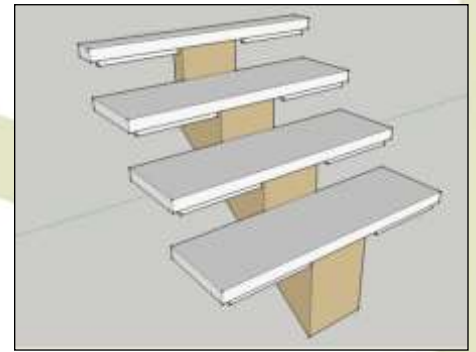
Concealed Cut String



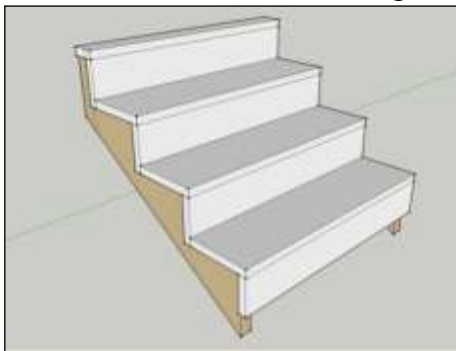
OPEN STAIR ~ Closed Strings



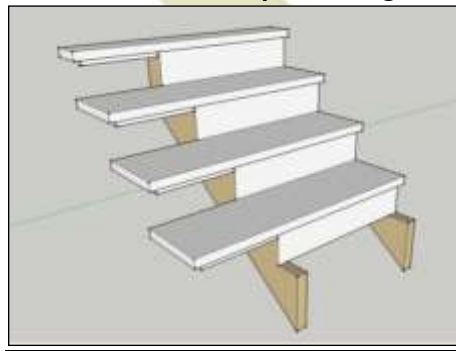
OPEN STAIR ~ Split Strings



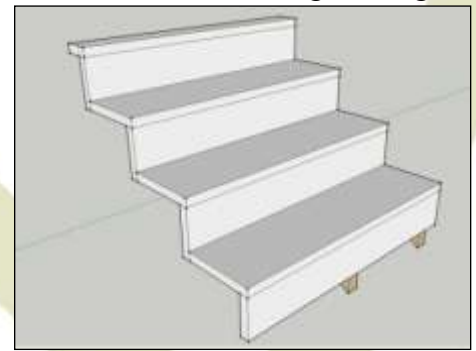
Boxed Centre Carriage Strings



NO TREAD NOSING PROJECTION



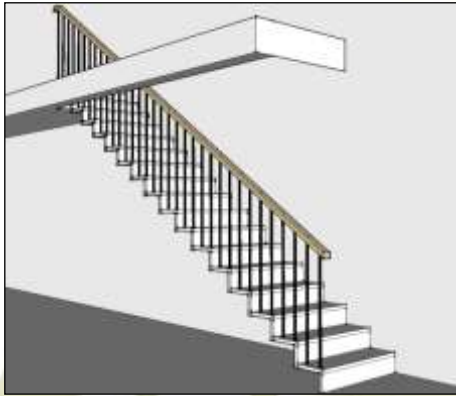
Part OPEN STAIR ~ 1/3 Cantilever



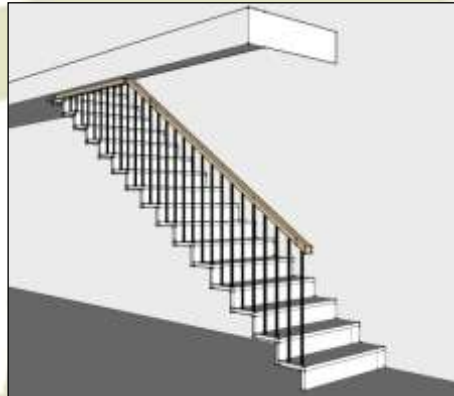
CLOSED STAIR ~ 1/2 Cantilever



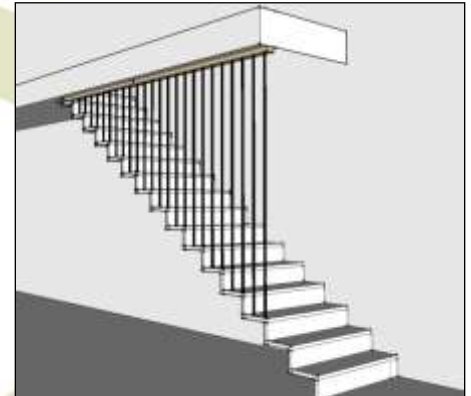
BAULSTRADE Form at Ceiling Juncture: ~“How does the flight Balustrade terminate”



Straight-up, along inside of well

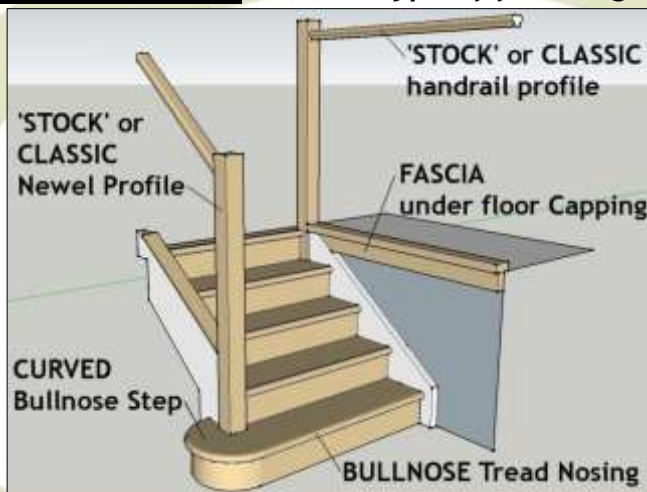


Diminished, on the 'rake'



Cascading from ceiling line

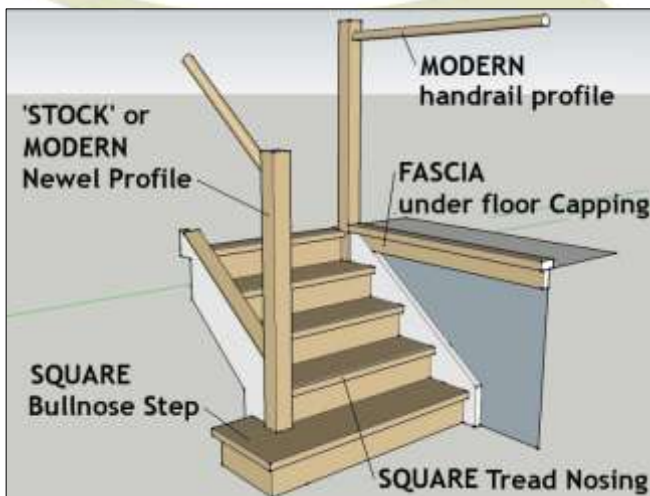
DESIGN STYLE: ~“The type of finishing to core components of a staircase”



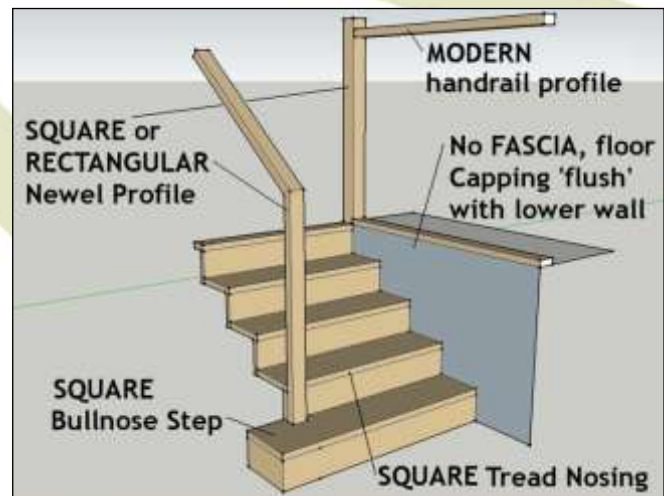
CLASSIC 1



MODERN 1



MODERN 2



MODERN 3



DESIGN STYLE COMPONENTS - Handrail & Newel Profiles: (Note: Note to scale)



CLASSIC Handrail, HR02
80mm x 60mm



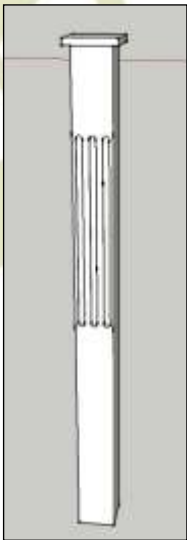
'STOCK' Handrail, HR01
70mm x 45mm



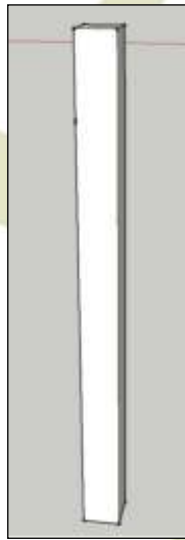
MODERN OVAL Handrail
65mm x 42mm



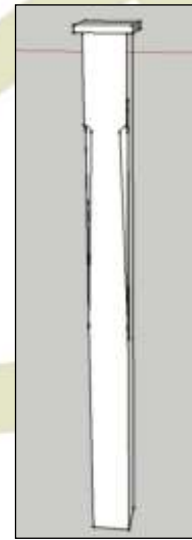
MODERN RECTANGLE
70 x 45mm



CLASSIC NEWEL
90mm x 90mm



'STOCK' (Plain Square) NEWEL
90mm x 90mm



MODERN NEWEL
90mm x 90mm

INSERT BALUSTER COMPONENTS: (Note: 'W-Iron' inserts from Hammersmith, 'Turned' from R. Cornall & Son)

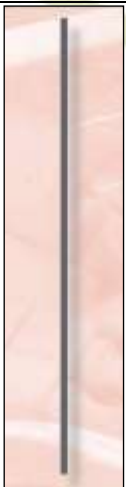
'W-Iron' with Powder Coat finish.

Timber-45x45 / 90x90

Timber

Pwdr. Coat

Stainless St.



Plain
16mm D.



Knuckle
16mm D.



Basket
16mm D.



Décor. S'
16mm D.



Turned Baluster & matching Newel



Slat
20x40



Square
32x32



Square
16x16



Round or Square
16mm*

* IF Balustrade Cascades from ceiling-line, 20mm inserts will be used in lieu of 16mm.



ALTERNATIVE BALUSTRADE OPTIONS:



Glass (12mm Toughened)
- Inserted into Staircase String



Glass
- w' Timber Support Posts



Glass
- w' 50mm D. Stainless S. Posts



'Nautical' Balustrade, w' 50mm D. Stainless S. Post & Timber Handrail



Wrought-Iron Decorative Panels, alt. w' plain inserts



Wrought-Iron Lace Work, w' Timber Handrail

CONTINUOUS HANDRAIL & HANDRAIL FEATURE ENDS:



Handrail Quarter Turn



Handrail Wreath & Swan Neck



Handrail Starting Scrolls



Handrail Ramp to Level



OUR Custom Design Solution: “Designer Projects”

This service is being offered in response to an increasing number of clients who seek a high level of design focus and customisation in their stair project that goes beyond standard industry practice or basic design detail requirements. If you want to create an individual architectural statement with your stair down to every detail, or either have individual design challenges you are trying to achieve in your build that relate to the stair, our Designer Projects solution might just be for you.

What is a Designer Project?

A Designer Project is where the client/s and Signature Stairs work together in collaboration throughout the full length of the stair project, creating a truly individual architectural staircase in their build. Here we can allocate more design time and resource to the planning phase of your stair project, harnessing and translating your full creativity into the final product. Beyond working within compliance, structural or your own budget constraints, our Designer Project solution essentially allows you to have a pure individual custom designed stair.

What design extras do I receive in a Designer Project as compared to with a normal stair project?

- More time from us at the beginning of your project to help you brainstorm and conceptualise your stair design.
- Access to our Stair Design Studio at our factory in Knoxfield, near Knox City (Burwood Hwy).
- Plus, as part of the process, you will receive architectural visuals of your designs including Stair Dimension Plans and 3D Stair Impressions set in the construct of your own individual stairwell and space.

How much extra does it cost and what else do I need to be aware of?

The Designer Project solution does not incur an extra fee. However, we do need your help. You have to be prepared to part of the project design and planning process, working with us each step of the way.

To make a Designer Project work we need a commitment from you (or your client) to;

- Make time to attend a design planning meeting at our Stair Design Studio, along with engaging with us in providing feedback on stair dimension plans / and design impressions when provided.
- Have an appreciation that your stair project may have a high level of complexity, can't be rushed, and that in some instances as compared with achieving overall design and quality objectives, the following may need to be a secondary objectives;
 - Meeting tight lead times in your stair project.
 - The urgency of the stair to be installed as a function for facilitating access to site for your other trades.

If you are interested to find out more about our Designer Projects solution please talk to us.



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NOTES / SKETCH PAGE:
