

Construction Specifications

Stair Components:

Centre Column 114.3 O.D. x 4.3 mild steel pipe.

Steel Treads

4mm mild steel plate. Laser cut and folded to uniform size with 35mm timber tread overlays as standard.

Stair Handrail

Handrail 32mm round
Unbroken PVC

Balusters 19 x 1.6 square tubing with

A maximum spacing of 125

Handrail posts, top and bottom

50 x 50 x 1.6 SHS.

Continuous and un-interrupted handrail is

Provided on one side of the stair with a

minimum height above the tread nosing of 865 mm.

Balcony Railing

End posts 50 x 50 1.6 SHS.

Top rail 40 x 8 mild steel flat with PCV covering.

Bottom rail and infills 19 x 1.6 square tubing.

Balcony rails are at a minimum height of

1000 above floor. Balusters are spaced with a maximum gap of 120.

Treads

Are uniform in shape and size. Rises are uniform in height and vary between 183 – 195 according to site measurement.

Width of stair tread free of obstruction - 760

Stair Geometry

Stair has rises between 183 – 195

16 steps to a circle at 22.5°. The going measured at 7/10ths. of clear width is 210 minimum. The slope relationship is between 588 and 608.

Stair can be erected clockwise or anti-clock wise and is mechanically joined on site.

Headroom

Using standard landing, with timber top 75mm thick with every 183 riser, clear headroom is 2060

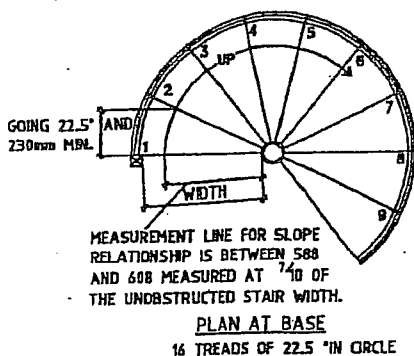
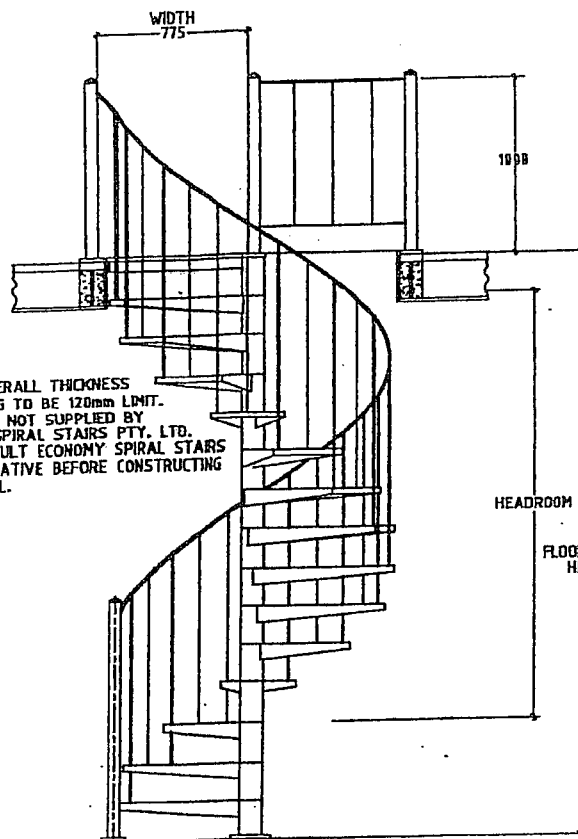
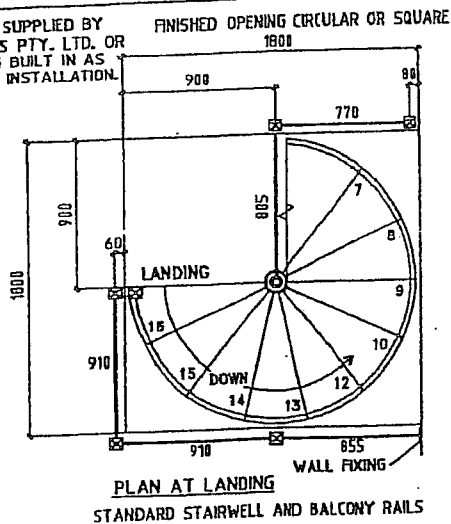
Every 1mm added to riser adds 12mm to headroom

Painting

Powder coated choice of 36 colours.

Kit Form: - the stair treads and handrails are in kit form. There is no welding, cutting or grinding required. This allows for easy installation on any finished floor surface. This system is covered by Registered Design No. 150823 and may not be manufactured or copied without the written consent of The Spiralworks.

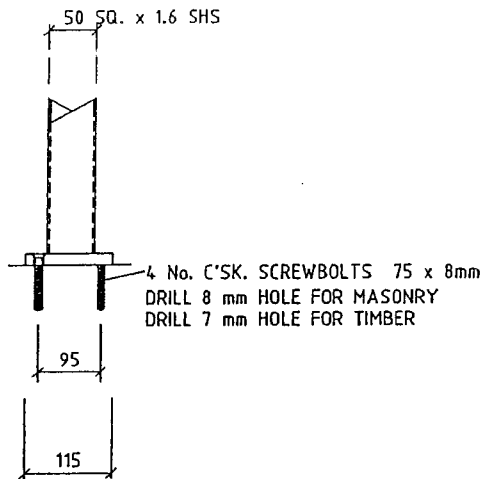
STEEL LANDING SUPPLIED BY
ECONOMY STAIRS PTY. LTD. OR
TIMBER LANDING BUILT IN AS
PART OF STAIR INSTALLATION.



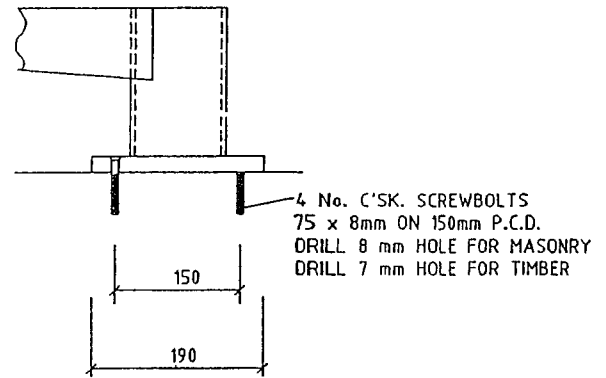
INFORMATION FACT SHEET

1800/16 SPIRAL STAIR

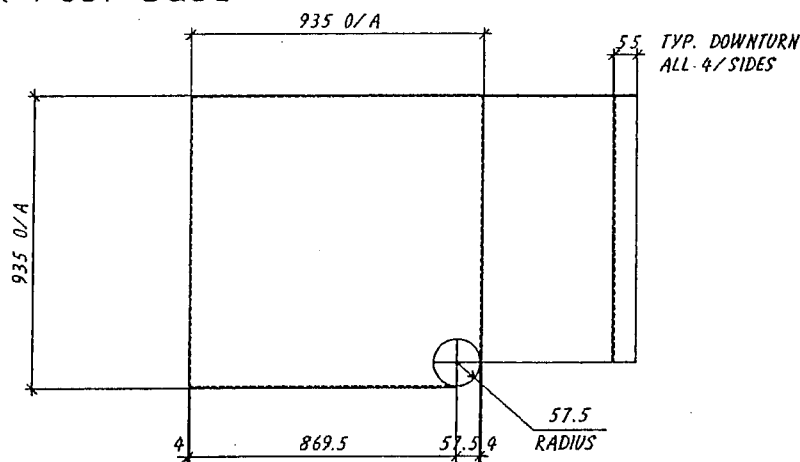
DETAILS OF FIXING



Handrail Post Base



Base Plate



LANDING DETAIL

EXAMPLES OF SETOUT

1800 Diameter

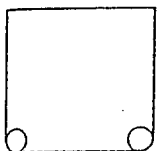
183mm to 195mm Riser

16 Treads to circle at 22.5°

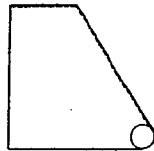
Floor to Floor Height	2320	2510	2700	2890	3080	3270	3460	3650	3840	4030	4220
Number of Risers	12	13	14	15	16	17	18	19	20	21	22
Number of Treads	11	12	13	14	15	16	17	18	19	20	21
Going	247	270	292	315	337	360	382	405	427	450	472
16 Steps to circle at 22.5°											

SOME TYPICAL TOP LANDING EXAMPLES

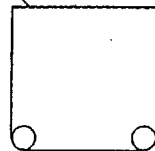
← DOTTED LINE DENOTES FIXING FACE



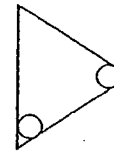
CORNER SQUARE



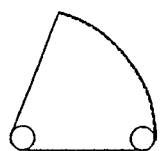
CORNER TRIANGLE



CANTILEVER



BALCONY TRIANGLE



ROUND TRIANGLE