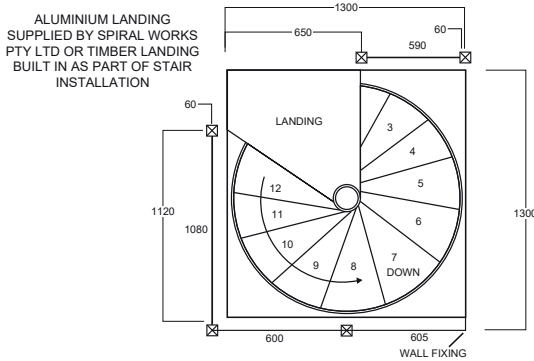
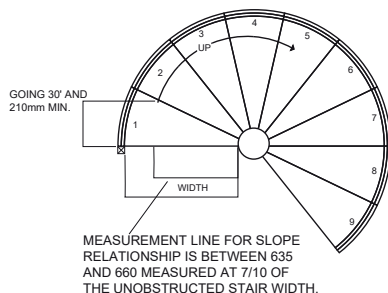
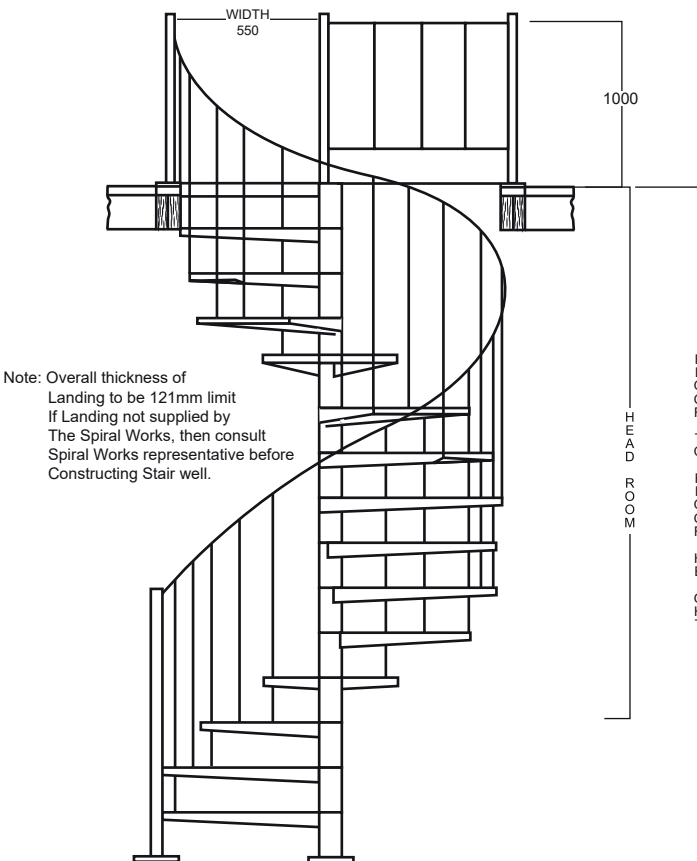


FINISHED OPENING CIRCULAR OR SQUARE



**PLAN AT LANDING
STANDARD STAIRWELL AND BALCONY RAILS**



ALUMINIUM STAIR

Centre Column

114.3 O.D X 6.35 CHS Grade 6060 - T5 Aluminium.

Treads & Risers

6mm aluminium plate - 5005 H34. Laser cut and folded 90 x 90mm turn-down both sides to weld to riser. Risers are between 205 - 220mm in height as required by floor height. Width of tread free of obstruction 525mm. Anti slip tread pads are standard and are replaceable.

Stair Handrail

Handrail 38 x 5mm round, unbroken PVC. Balusters 19 x 2mm square tubing with a maximum spacing of 125mm. Handrail posts, top and bottom 50 x 50 x 3mm SHS Grade 6005A - T5 aluminium. Continuous and uninterrupted handrail is provided on one side of stair with a minimum height above the tread nosing of 865mm.

Balcony Railing - Aluminium

End posts 50 x 50 x 3mm SHS 6005A - T5 aluminium. Top rail 38 x 3mm CHS Grade 6005A - T5 round. Bottom rail and infills 19 x 2mm Grade 6005A - T5 square tubing. Balcony rails are at a minimum height of 1000mm above floor. Balusters are spaced with maximum gap of 125mm.

Stair Geometry

Stair has risers between 205 - 220mm 12 steps to circle at 30 degrees. The going measured at 7/10ths of clear width is 220mm minimum. The slope relationship is between 635 & 660mm. Stair can be erected clockwise or anti clockwise and is mechanically joined on site.

Headroom

Using a standard 60 degree landing with a 95mm downturn with 205mm minimum riser clear headroom is 2100mm. Every 1mm added to riser, adds 12mm to headroom.

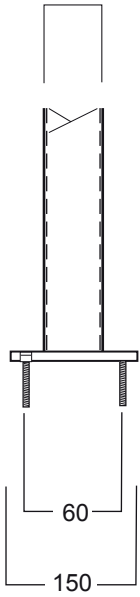
Kit Form

The stair & handrail are kit - form. There is no welding, cutting or grinding required. This allows for easy installation on any finished floor surface.

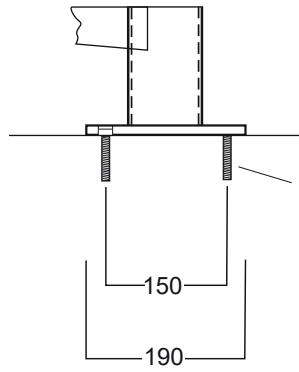
This system is covered by Registered Design No's: 157138 & 150823 and may not be manufactured or copied, without the written consent of Spiralworks Pty Ltd.

*Stairs Comply with National Construction Code (NCC 2022) as a performance solution - refer to PBDB & PSR Template.

50 x 50 x 3 SHS



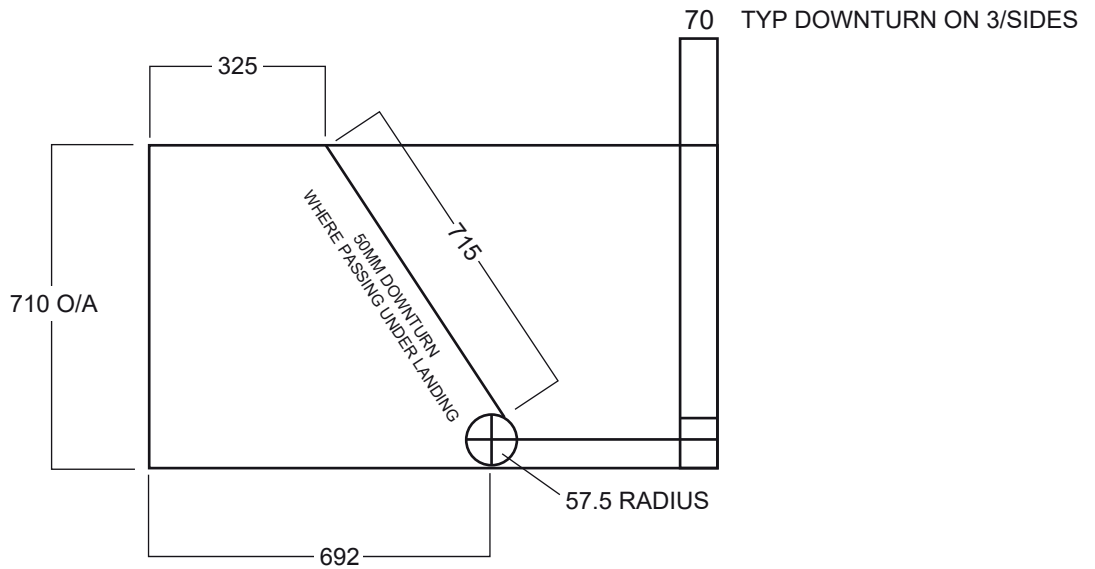
4 No. C'SK. SCREWBOLTS 75 X 10mm
 DRILL 8mm HOLE FOR MASONARY
 DRILL 7MM HOLE FOR TIMBER



4 No. C'SK. SCREWBOLTS 75 X 10mm
 on 150mm PCD
 DRILL 8mm HOLE FOR MASONARY
 DRILL 7MM HOLE FOR TIMBER

BASE PLATE

HANDRAIL POST BASE



LANDING DETAIL

EXAMPLES ONLY OF SETOUT - WE BUILD TO SUIT

1300 Diameter

205mm to 220mm Riser 12 Treads to Circle at 30'

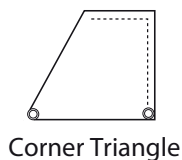
Floor to Floor Height	2630	2850	3070	3290	3510	3730	3950	4170	4390	4610	4830
Number of Risers	12	13	14	15	16	17	18	19	20	21	22
Number of Treads Going	11	12	13	14	15	16	17	18	19	20	21
Going	330	360	390	420	450	480	510	540	570	600	630

12 Steps to Circle at 30'

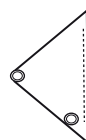


Landing Examples

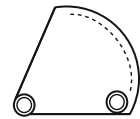
----- Dotted line denotes fixing face



Corner Triangle



Balcony Triangle



Round Triangle