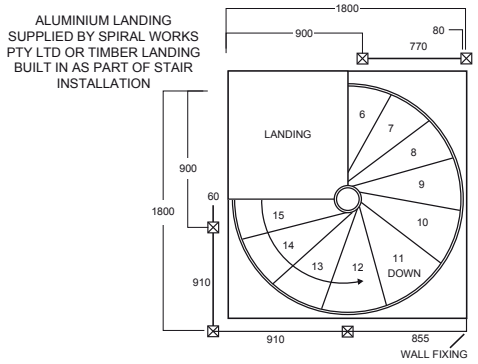
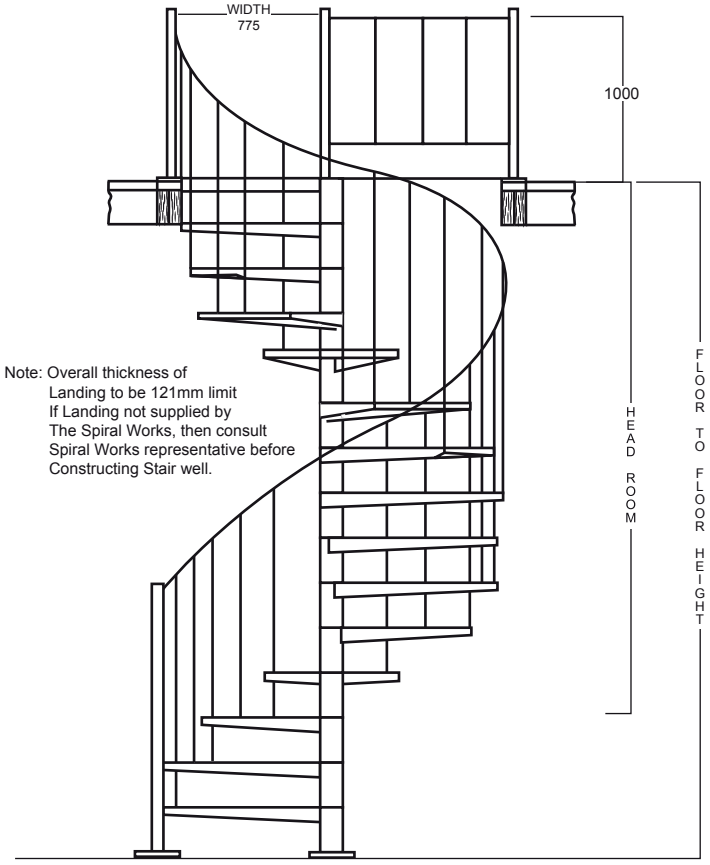
54 Frankston Gardens Drive
Carrum Downs, VIC 3201
1300 137 392
sales@spiralstairs.com.au

AUSTRALIAN MADE AND OWNED

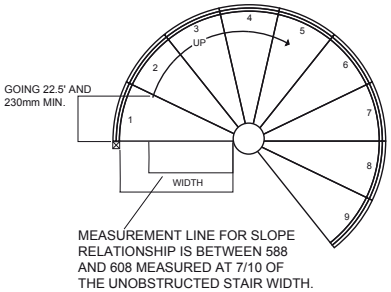
FINISHED OPENING CIRCULAR OR SQUARE



PLAN AT LANDING
STANDARD STAIRWELL AND BALCONY RAILS



Note: Overall thickness of Landing to be 121mm limit If Landing not supplied by The Spiral Works, then consult Spiral Works representative before Constructing Stair well.



MEASUREMENT LINE FOR SLOPE RELATIONSHIP IS BETWEEN 588 AND 608 MEASURED AT 7/10 OF THE UNOBSTRUCTED STAIR WIDTH.

ALUMINIUM STAIR

Construction Specifications & Components

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

Treads
6mm aluminium plate - 5005 H34. Laser cut and folded 90 x 90mm turn-down both sides to weld to riser. Risers are between 178 - 190mm in height as required by floor height. Width of tread free of obstruction 760mm. Anti slip tread pads are standard and are replaceable.

Stair Handrail
Handrail 38 x 5mm round, unbroken PVC or Aluminium tube. 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 in-fills 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 178 - 190mm 16 steps to circle at 22.5 degrees. The going measured at 7/10ths of clear width is 226mm minimum. The slope relationship is between 588 & 608mm. Stair can be erected clockwise or anti clockwise and is mechanically joined on site.

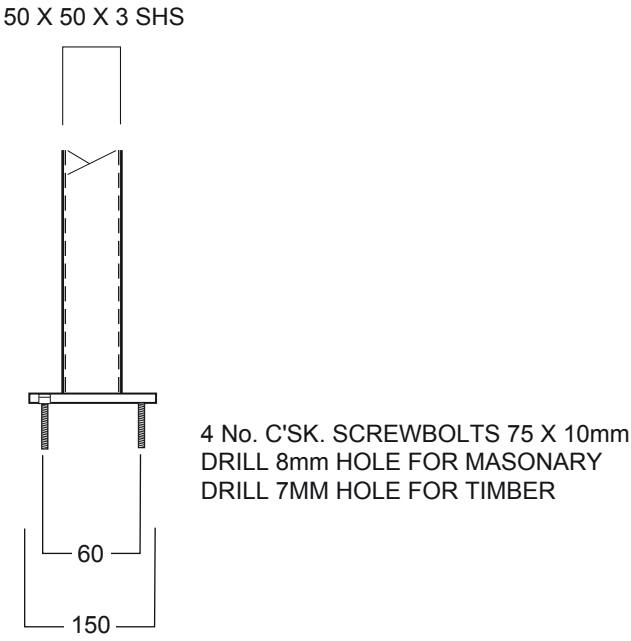
Headroom
Using a standard landing with timber top 75mm thick with every 178mm riser, clear headroom is 2100mm.
Every 1mm added to riser, adds 12mm to headroom.

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.

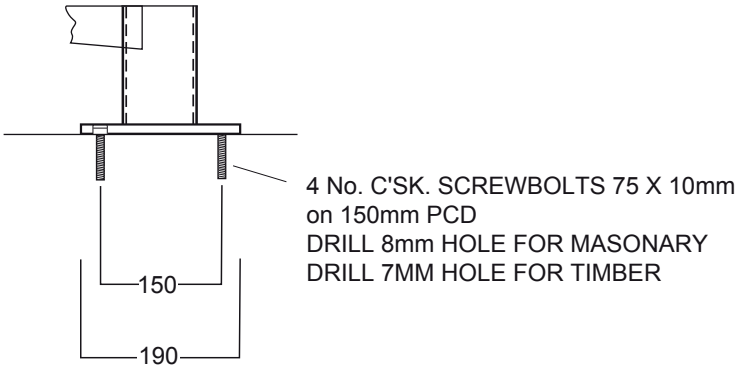
*Stairs Comply with National Construction Code (NCC 2022) as a performance solution - refer to PBDB & PSR Template.

INFORMATION FACT SHEET
1800 / 16 SPIRAL STAIRS

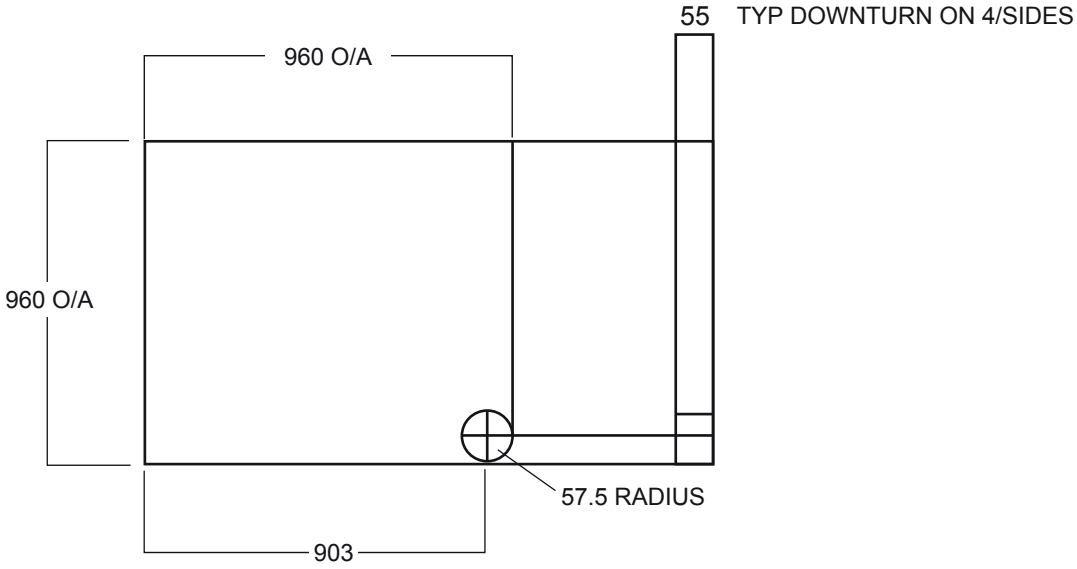
Revised June 2024 V1



HANDRAIL POST BASE



BASE PLATE



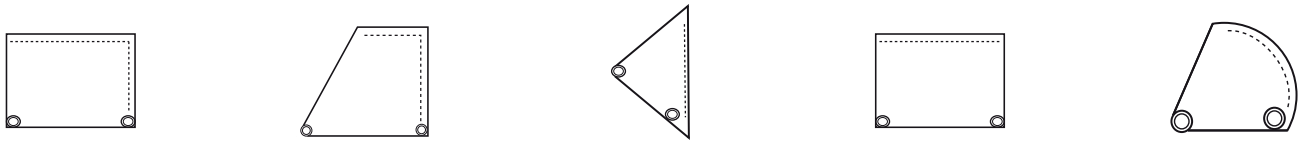
LANDING DETAIL

EXAMPLES ONLY OF SETOUT - WE BUILD TO SUIT

1800 Diameter 178mm to 190mm 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'											

Landing Examples ------- Dotted line denotes fixing face



Corner Square | Corner Triangle | Balcony Triangle | Cantilever | Round Triangle

SPIRALWORKS

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1800 / 16 SPIRAL STAIRS