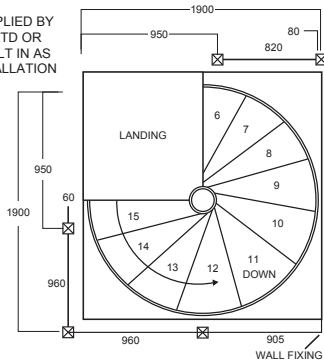
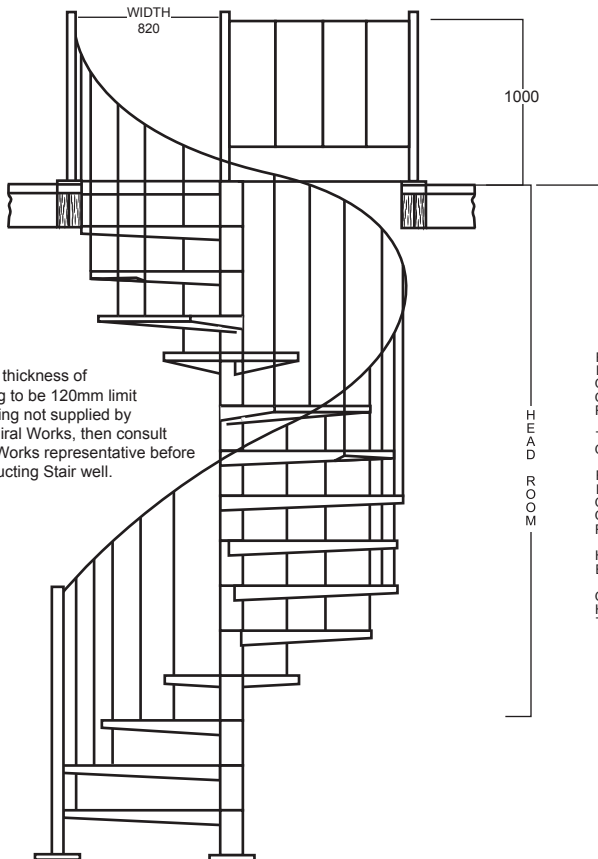


FINISHED OPENING CIRCULAR OR SQUARE

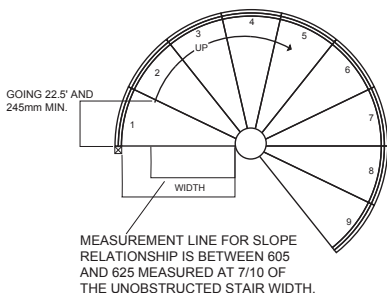
STEEL LANDING SUPPLIED BY SPIRAL WORKS PTY LTD OR TIMBER LANDING BUILT IN AS PART OF STAIR INSTALLATION



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



Note: Overall thickness of Landing to be 120mm limit. If Landing not supplied by The Spiral Works, then consult Spiral Works representative before Constructing Stair well.



MILD STEEL STAIR

7 c b g f i W j c b ' G d Y W j W j c b g / ' 7 c a d c b Y b t g

7 Y b f Y ' 7 c ' i a b ' F F I E H U O A A E { { A a a c ^ | A a A E

Treads & Risers

Treads & Risers 4mm mild steel plate are laser cut & folded to uniform shape. Risers are between 178 - 190mm as determined by the floor to floor height. Width of treads free of obstruction 820mm. Anti slip tread pads are standard and are replaceable.

Stair Handrail

Handrail 38 x 5mm round, unbroken PVC. Balusters 19 x 1.6mm square tubing with a maximum spacing of 125mm. Handrail posts, top & bottom 40 x 40 x 1.6mm SHS Grade 450. Continuous and uninterrupted handrail is provided on one side of stair with a minimum height above the tread nosing of 865mm.

Balcony Railing

End posts 40 x 40 x 1.6mm SHS Grade 450. Top rail 38 x 1.6mm round mild steel. Bottom rail & in fills 19 x 1.6mm 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 224mm minimum. The slope relationship is between 588 & 608. Stair can be erected clockwise or anti clockwise & is mechanically joined on site.

Headroom

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

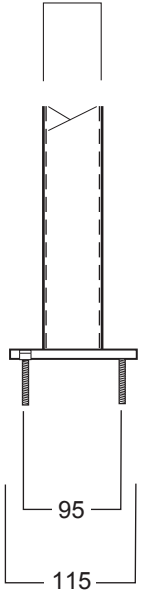
Kit Form

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

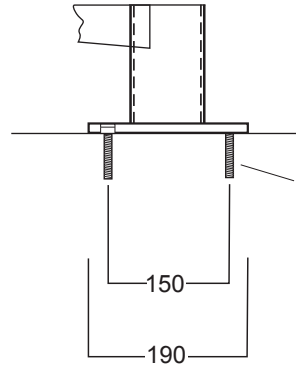
This system is covered by Registered Design No's: 157138 & 150823 and may not be manufactured or copied, without the written consent of Spiralworks Pty Ltd.

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

40 X 40 X 1.6 SHS Grade 450



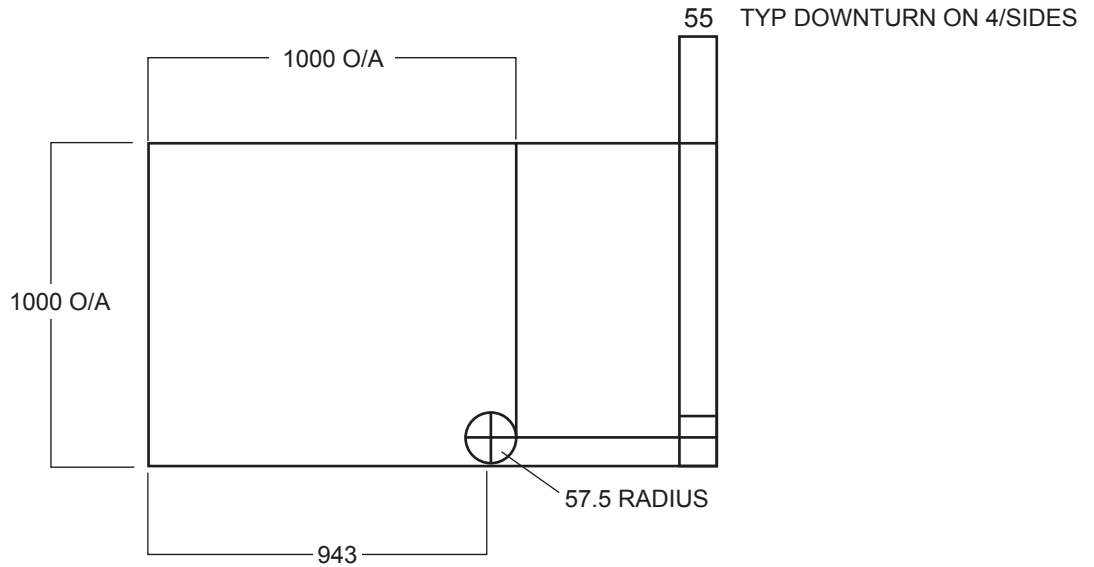
4 No. C'SK. SCREWBOLTS 75 X 8MM
DRILL 8mm HOLE FOR MASONARY
DRILL 7MM HOLE FOR TIMBER



4 No. C'SK. SCREWBOLTS 75 X 8MM
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

1900 Diameter

178mm to 190mm Riser 16 Treads to Circle at 22.5'

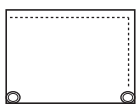
| Floor to Floor Height | 2280 | 2470 | 2660 | 2850 | 3040 | 3230 | 3420 | 3610 | 3800 | 3990 | 4180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Number of Risers | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| Number of Treads Going | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 247 | 270 | 292 | 315 | 337 | 360 | 382 | 405 | 427 | 450 | 472 |

16 Steps to Circle at 22.5'

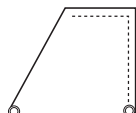


Landing Examples

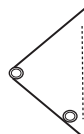
----- Dotted line denotes fixing face



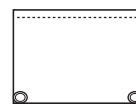
Corner Square



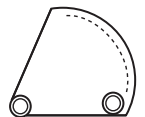
Corner Triangle



Balcony Triangle



Cantilever



Round Triangle