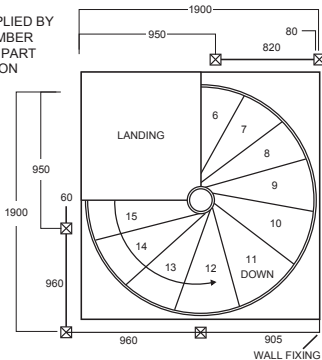
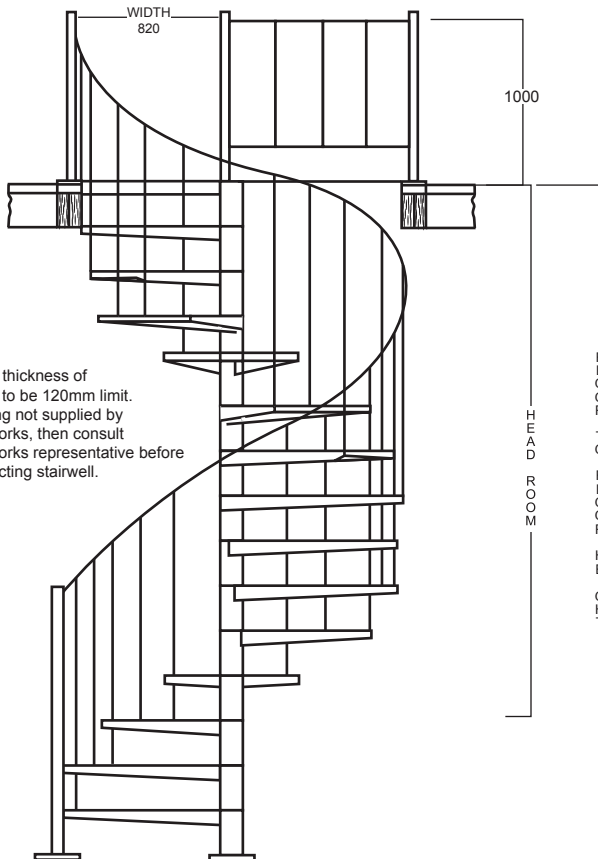


**FINISHED OPENING CIRCULAR OR SQUARE**

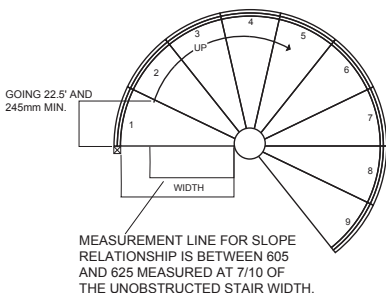
STEEL LANDING SUPPLIED BY SPIRALWORKS OR TIMBER LANDING BUILT IN AS PART OF STAIR INSTALLATION



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



Note: Overall thickness of landing to be 120mm limit. If landing not supplied by Spiralworks, then consult Spiralworks representative before constructing stairwell.



**MILD STEEL STAIR**

**7 cbgfi Wjcb`GdYVjZUWjcbg/ `7 ca dcbYbfg**

7 YbhfY7 c`i a b`  
FFI ÈÁÜÖÁÈ { Á ãÁc^|Á ã ^È

**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 & infills 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.

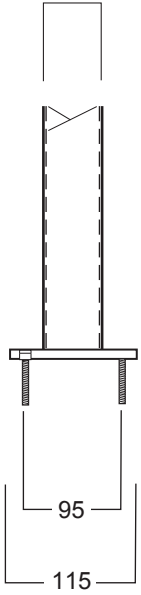
**Kit Form**

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

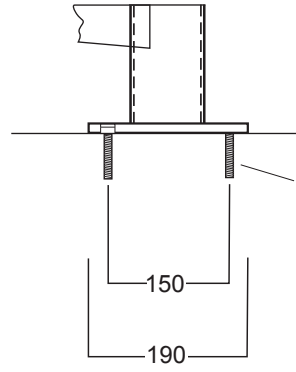
This system is covered by Registered Design No's: 157138 & 150823 and may not be manufactured or copied, without the written consent of Spiralworks Pty Ltd.

\*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



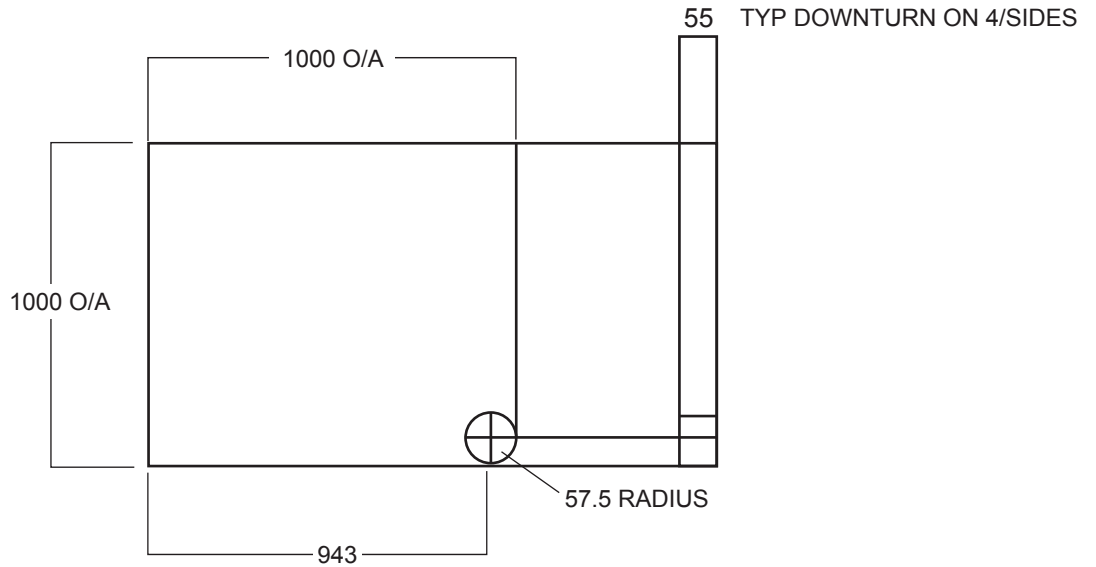
4 No. C'SK. SCREWBOLTS 75 X 8MM  
DRILL 8mm HOLE FOR MASONARY  
DRILL 7MM HOLE FOR TIMBER



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'

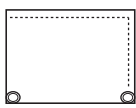
<b>Floor to Floor Height</b>	2280	2470	2660	2850	3040	3230	3420	3610	3800	3990	4180
<b>Number of Risers</b>	12	13	14	15	16	17	18	19	20	21	22
<b>Number of Treads</b>	11	12	13	14	15	16	17	18	19	20	21
<b>Going</b>	247	270	292	315	337	360	382	405	427	450	472

16 Steps to Circle at 22.5'

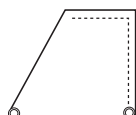


Landing Examples

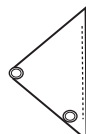
----- Dotted line denotes fixing face



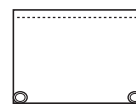
Corner Square



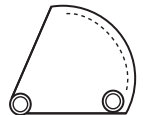
Corner Triangle



Balcony Triangle



Cantilever



Round Triangle