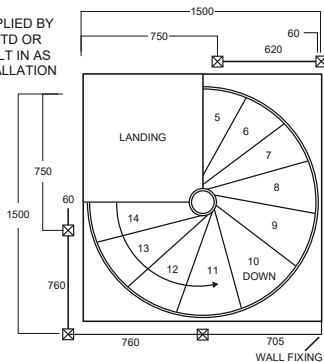
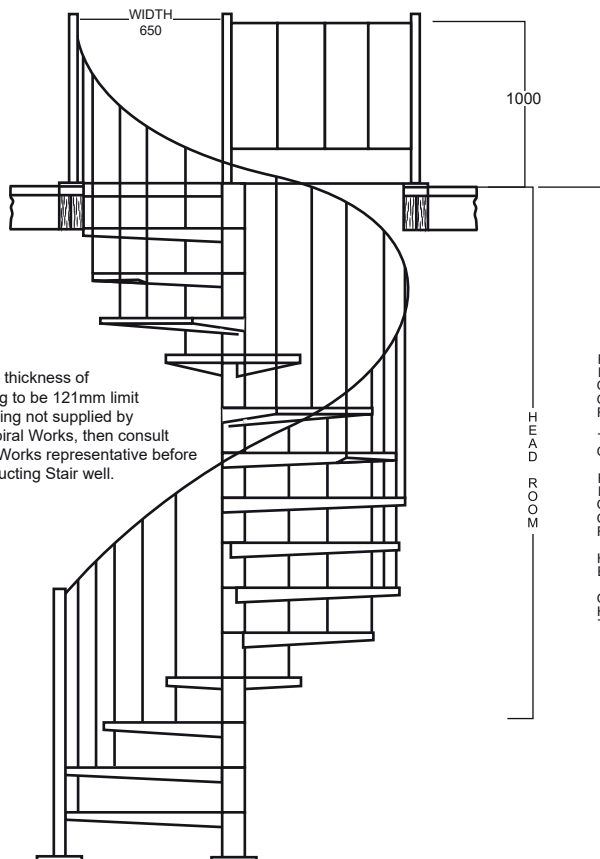


### FINISHED OPENING CIRCULAR OR SQUARE

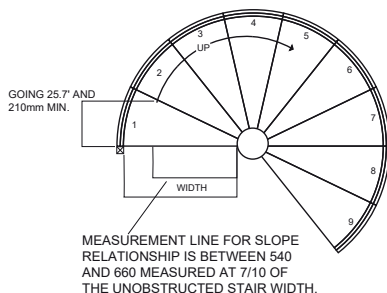
STEEL LANDING SUPPLIED BY  
SPIRAL WORKS PTY LTD OR  
TIMBER LANDING BUILT IN AS  
PART OF STAIR INSTALLATION



### PLAN AT LANDING STANDARD STAIRWELL AND BALCONY RAILS



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



## ALUMINIUM STAIR

### CONSTRUCTION SPECIFICATIONS

#### Stair Components

Centre Column 114.3 O.D X 4.5 CHS Grade 6060 - T5  
Aluminium.

#### Treads

6mm aluminium plate - 5005 H34.

Laser cut & folded to uniform size with 20mm nut & bolt to  
fasten down each rubber tread overlay as standard. Turn  
down 90mm at support.

#### Stair Handrail

Handrail 38 x 5mm round, unbroken PVC.

Balusters 19x1.6 square tubing with a maximum spacing of  
125 Handrail posts, top & bottom 50 x 50 x 3 SHS Grade  
6005A - T5 aluminium. Continuous & 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 3 SHS 6005A - T5 aluminium.

Top rail 32 x 3mm CHS Grade 6005A - T5 round.

Bottom rail & in fills 19 x 2 Grade 6005A - T5 square tubing

Balcony rails are at a minimum height of 1000 above floor

Balusters are spaced with maximum gap of 125mm.

#### Treads - Aluminium

Are uniform in shape & size. Risers are uniform in height &  
vary between 205 - 220 according to site measurement  
width of stairs, tread free of obstruction 625. 90 x 90  
turndown front & back.

#### Stair Geometry

Stair has risers between 205 - 220 14 steps to circle at  
25.7 degrees.

The going measured at 7/10 ths of clear width is 210  
minimum.

The slope relationship is between 640 & 660

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 205 riser, clear headroom is 2080.

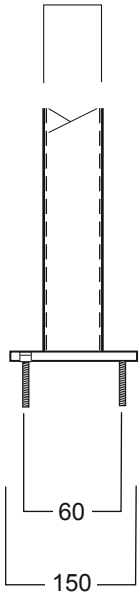
Every 1mm added to riser, adds 12mm to headroom.

#### Kit Form

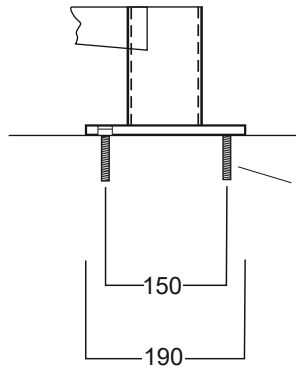
The stair & handrail are kit - form. There is no welding,  
cutting or grinding required. This allows for easy  
installation on any finished floor surface.

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

50 X 50 X 3 SHS



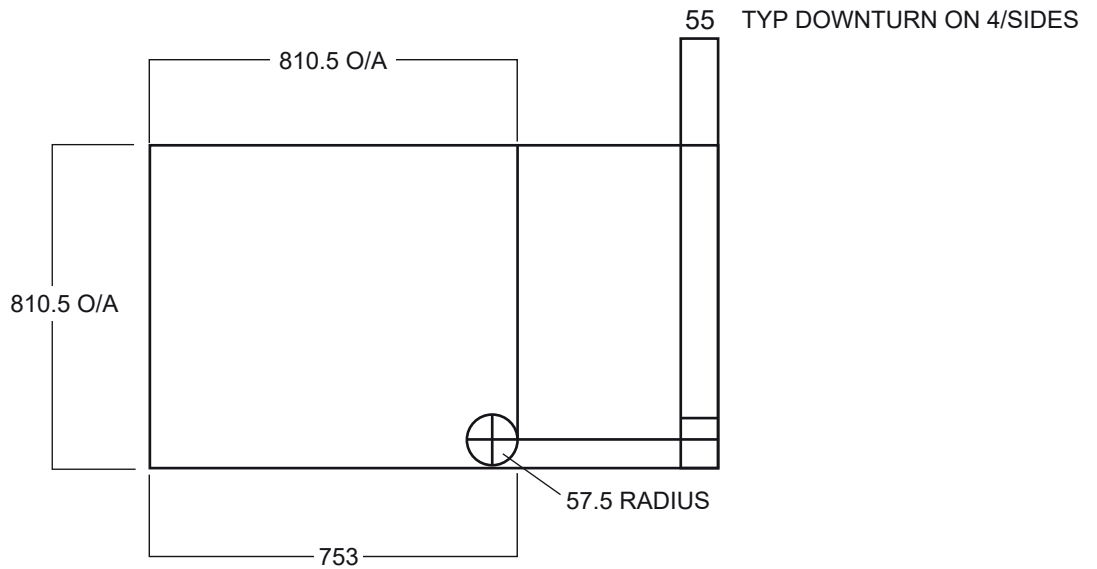
4 No. C'SK. SCREWBOLTS 75 X 10mm  
 DRILL 8mm HOLE FOR MASONARY  
 DRILL 7MM HOLE FOR TIMBER



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

1500 Diameter

208mm to 220mm Riser 14 Treads to Circle at 25.7'

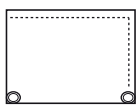
Floor to Floor Height	2640	2860	3080	3300	3520	3740	3960	4180	4400	4620	4840
Number of Risers	12	13	14	15	16	17	18	19	20	21	22
Number of Treads Going	11	12	13	14	15	16	17	18	19	20	21
	282	308	334	360	385	411	437	463	488	514	540

14 Steps to Circle at 25.7'

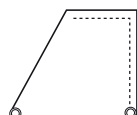


Landing Examples

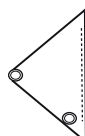
----- Dotted line denotes fixing face



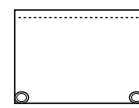
Corner Square



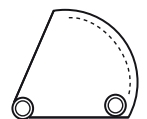
Corner Triangle



Balcony Triangle



Cantilever



Round Triangle