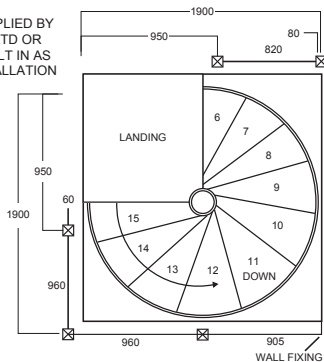
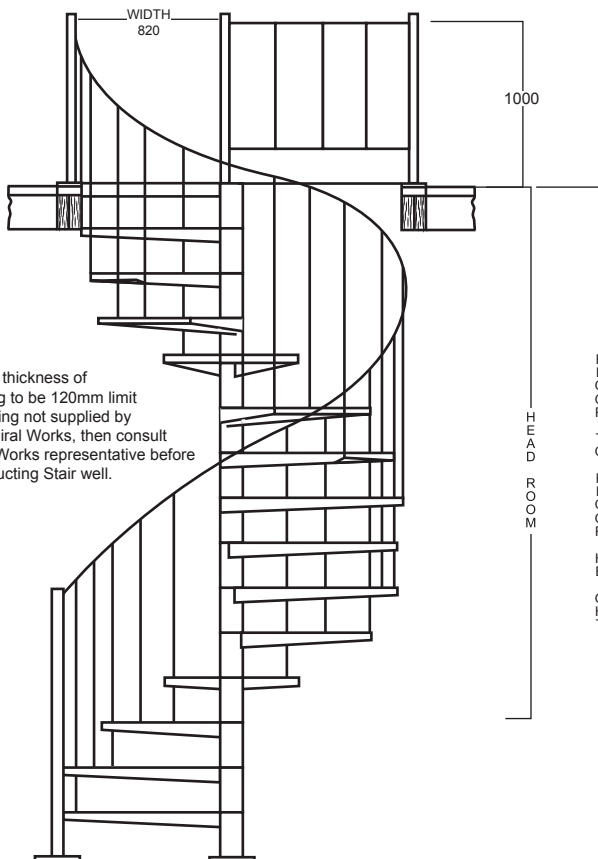


### FINISHED OPENING CIRCULAR OR SQUARE

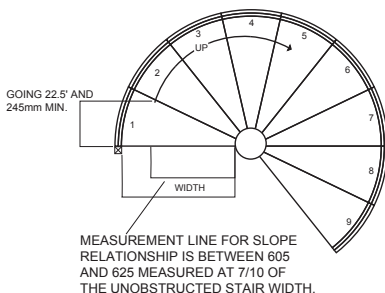
STEEL LANDING SUPPLIED BY  
SPIRAL WORKS PTY LTD OR  
TIMBER LANDING BUILT IN AS  
PART OF STAIR INSTALLATION



### 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.



## 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 19 x 2 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 183 - 195 according to site measurement width of stairs, tread free of obstruction 820. 90 x 90 turndown front & back.

#### Stair Geometry

Stair has risers between 183 - 195 16 steps to circle at 22.5 degrees.

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

The slope relationship is between 605 & 625

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 183 riser, clear headroom is 2060.

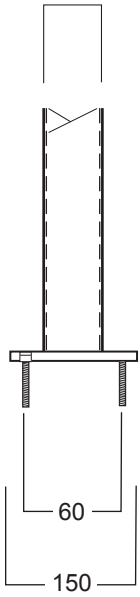
Every 1mm added to riser, adds 12mm to headroom.

#### Kit Form

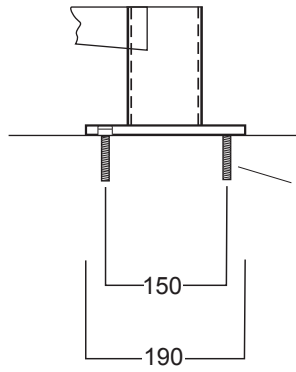
The stair & handrail are kit - form. There is no welding, cutting or grinding required. This allows for easy installation on any finished floor surface.

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



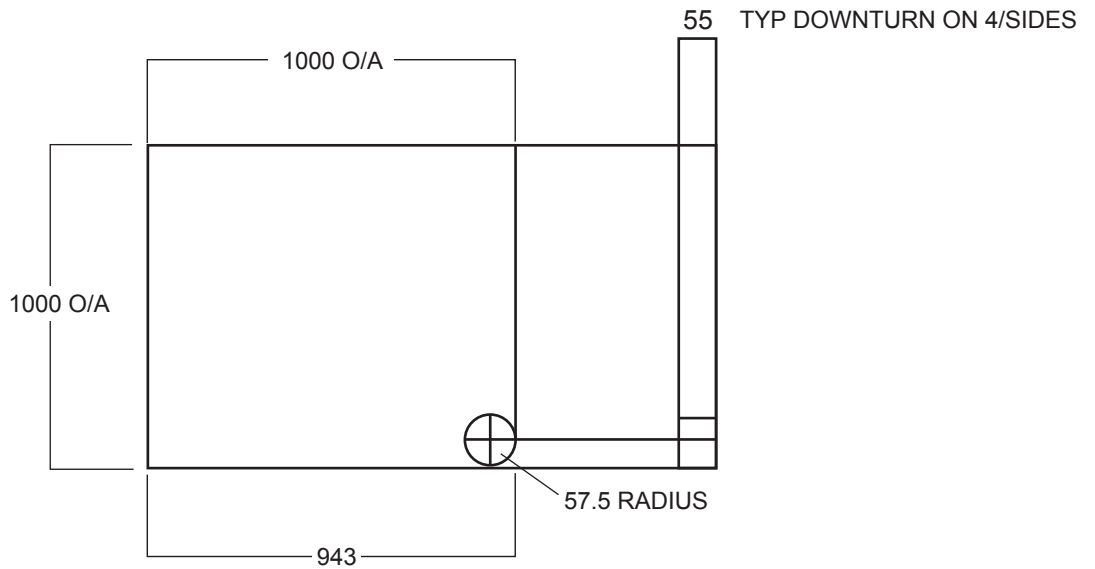
4 No. C'SK. SCREWBOLTS 75 X 10mm  
 DRILL 8mm HOLE FOR MASONARY  
 DRILL 7MM HOLE FOR TIMBER



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**

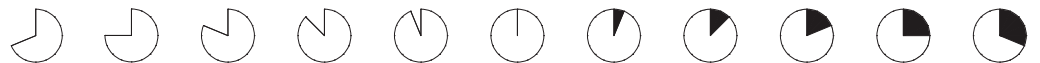
EXAMPLES ONLY OF SETOUT - WE BUILD TO SUIT

1880 Diameter

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

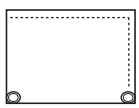
| Floor to Floor Height  | 2280 | 2470 | 2660 | 2850 | 3040 | 3230 | 3420 | 3610 | 3800 | 3990 | 4180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Number of Risers       | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 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'

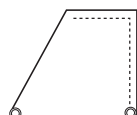


Landing Examples

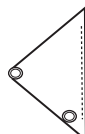
----- Dotted line denotes fixing face



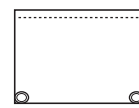
Corner Square



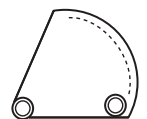
Corner Triangle



Balcony Triangle



Cantilever



Round Triangle