LAWN EDGING OR BORDER FENCE PANEL

Tools Required to Make this Design:

Scrolling: MK 2/2H (or MK 2/3) Scroll Formers
Punching: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender fitted with 3mm punch block & pin - or use 5mm holes but 5mm rivets will be required*)
Riveting: Practical RBR (or Master RBR or XL5+ Power Bender - *see above)
Bending:Practical RBR (or Master RBR or XL5+ Power Bender)
Cutting: Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender)

1 Top & Bottom Rails 914mm (x 2) COMPONENT 1

Take two full lengths of 15mm x 3mm, trim corners and mark bend points B1 25mm from each end. Use Template No. 1 to form the right angle bends B1.

2 Side Legs 457mm (x 2) COMPONENT 2

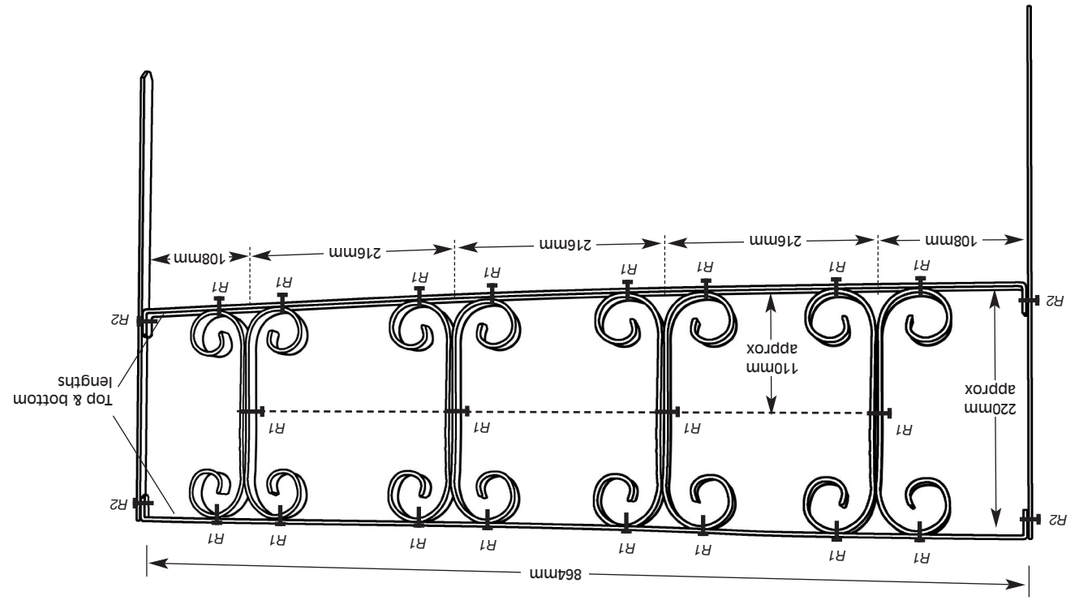
Take another length and mark the midpoint (approx. 457mm) and cut in half. On each half, trim corners at one end and make a point (as best as possible) at the other.

3 'C' Scrolls 457mm (x 8) COMPONENT 3

Mark out and cut 8 equal lengths 457mm from 4 lengths of 15mm x 3mm. On each length mark out point S1 155mm from each end. Then scroll each end to this point - with the aim of making 8 identical scrolls.

4 Assembly

Next, carefully layout the scrolls, top and bottom rails and the 2 side legs as shown here. Position the 'C' Scrolls carefully and check to make sure all the scrolls touch both rails as closely as possible. If necessary, manipulate the scrolls by hand to ensure this happens and that the top and bottom rails are parallel to each other.



5 Mark all Rivet points R1 and punch all holes accordingly. Beginners might find it easier to use (10mm x 3mm) nuts & bolts to hold the fence together whilst riveting each joint in turn. Start by riveting the 'C' scrolls together to form 4 pairs of 'C' scrolls using 10mm x 3mm rivets. Then rivet the 'C' Scrolls in place (using 10mm x 3mm rivets) between the top and bottom rails starting first at each end and working your way inwards making sure any distortion in the rails is kept to a minimum by tweaking the Scrolls by hand if and where necessary. Use the measurements in the drawing below to ensure an even spacing.

6 Mark all Rivet points R2, punch and then rivet using 10mm x 3mm rivets to fix on the side legs with the pointed ends at the bottom (the points are to assist in sticking in the ground).

Simple adjustments to the design will allow for smaller panels to be made to fit any gaps.

The finished item can now be painted in a wide variety of finishes (smooth, satin, hammer and metallic) either by aerosol or by brush application. Powder coating and plastic dip finishes can also be applied but these type of finishes are more for commercial/industrial scale finishing.

However, even with aerosol or paint finish you can make your finished item look professional. In this case we used paints from the Plasti-kote and Hammerite ranges - available from most DIY and Painting/Decorating outlets. For best results, always follow instructions on the tin and make sure the metal is free of all scale, dirt, grease or rust.

Design Pack
LAWN EDGING OR BORDER FENCE PANEL

DIFFICULTY RATING:	
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MORE COMPLEX	

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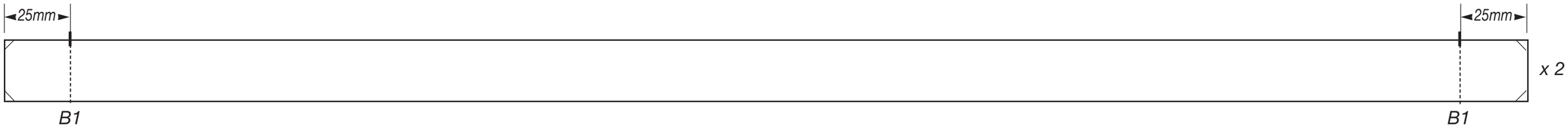
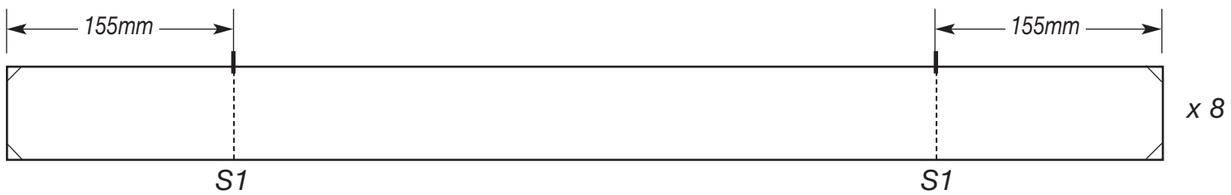
Design Pack: LAWN EDGING OR BORDER FENCE PANEL - DESIGN SHEET

NOT TO SCALE:



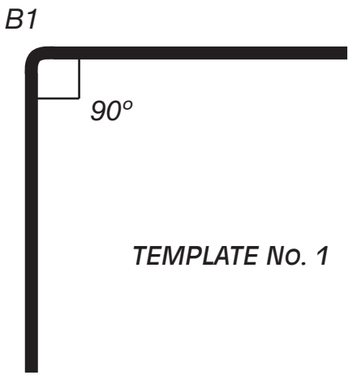
COMPONENT No. 1 914mm TOP / BOTTOM RAILS

COMPONENT No. 2 457mm SIDE LEGS



COMPONENT No. 3 457mm 'C' SCROLLS

Scroll each end to 1st segment on 2/2H Scroll Former



TEMPLATE No. 1

List of Materials Required:

7 x 914mm (3ft) Lengths of 15mm x 3mm Steel Strip [Re-Order Ref: MC037]

24 x 10mm x 3mm Rivets (3/8" x 1/8") [Re-Order Ref: MC052L]

24 x 10mm x 3mm Nuts & Bolts (3/8" x 1/8") [Re-Order Ref: MC060L]