PEACOCK PLANT HOLDER

Tools required to make this design

Cutting;	Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender)
Punching;	Practical Punch/Shear (or Master Punch/Shear or XL5+ Power Bender) 3mm punch pin & punch block)
Riveting;	Practical Riveting Bending & Rolling
Rolling;	Practical Riveting Bending & Rolling
Bending;	Practical Riveting Bending & Rolling
Scrolling;	Mk 1/2 Scroll Former

We recommend that before starting you wipe all steel bars down so that they are free of grease, scale or dirt. After cutting any component, we also recommend that you trim the corners for a neater finish, if preferred, unless these instructions tell you otherwise. Use a fine tip marker pen, pencil or scribe for marking hole, bend, scroll, roll points on the bars.

Component 1 — Bottom/First Scroll
10mm x 1.6mm x 914mm (1)

Using the Practical Punch/Shear Tool (PPS), chamfer all corners of 1 length of 10 x 2 x 914mm steel strip. Mark scroll positions S1&S2, bends B1&B2, holes H1-H5 and roll positions R1&R2. Using the roll template for Component 1/2 on Template Sheet 1 as a guide, roll from one end to R1 and from the other end to R2 using the Practical Riveting, Bending & Rolling Tool (PRBR). Using the scroll template for Component 1/2 on Template Sheet 2 scroll from one end to S1 and from the other to S2 using the Mk 1/2 Scroll Former (Mk 1/2). Using the PRBR tool, bend at positions B1&B2, see roll template for Component 1/2 on Template Sheet 1 for guide. Using the PRBR tool punch holes H1 –H5.

Component 2 — Lower Middle Scroll
10mm x 1.6mm x 914mm (1)

Using the PPS, chamfer all corners of 1 length of 10 x 2 x 914mm steel strip. Mark positions S3&S4, H6-H8 and R3&R4. Using the roll template for Component 1/2 on Template Sheet 1 as a guide, roll from one end to R3 and from the other end to R4 using the PRBR tool. Using the scroll template for Component 1/2 on Template Sheet 2 scroll from one end to S3 and from the other to S4 using the Mk 1/2 tool. Using the PRBR tool punch holes H6 –H8.

Component 3 — Middle Scroll
10mm x 1.6mm x 914mm (1)

Chamfer all corners of the strip and mark all the scroll, roll and hole positions as indicated on Component Sheet 1. Roll the strip using the role template for Component 3 on Template Sheet 1 as a guide, then scroll the strip using the corresponding scroll template on Template Sheet 2 as a guide. Note changes in rolling pressure will be required to achieve the desired profile. Remember you can always "un-roll" the strip if necessary to make any adjustments. To complete the component, punch all the holes.

Component 4 — Upper Scroll
10mm x 1.6mm x 914mm (1)

Chamfer all corners of the strip and mark all the scroll, roll and hole positions as indicated on Component Sheet 1. Roll the strip using the role

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Component 4 continued

template for Component 4 on Template Sheet 1 as a guide, then scroll the strip using the corresponding scroll template on Template Sheet 2 as a guide. Adjust rolling pressure as required and un-roll if necessary to achieve the desired profile. To complete the component, punch all the holes.

Component 5 — Top Scroll
10mm x 1.6mm x 914mm (1)

Chamfer all corners of the strip and mark all the scroll, roll and hole positions as indicated on Component Sheet 1. Scroll from one end to S9 and from the other end to S10. **Roll between R9 and R10** using the template for Component 5 on Template Sheet 2 as a guide. Adjust rolling pressure as required and un-roll if necessary to achieve the desired profile. To complete the component, punch all the holes.

Components 6 & 7 — Plant Pot Ring & Bracket
12mm x 2mm x 375mm (1)
10mm x 1.6mm x 25mm (1)

The following instructions are for a 5" plant pot. Adjust the strip length accordingly for other sizes. From 1 length of **12 x 2 x 914mm** steel strip, cut 1 strip 375mm long and 1 strip 25mm long from **10 x 1.6mm strip.** Set aside the remainder of the 12 x 2mm steel for Component 15. Mark hole positions as indicated on Component Sheets 1 and 2. Roll the long strip to form a complete circular hoop and punch both holes. Bend the short strip at B7 to form a right angle and punch both holes.

Component 8 — Peacock's Head
10mm x 1.6mm x 260mm (1)

From the 10 x 1.6 x 914mm steel strip left over from Component 7 , cut 1 strip 260mm long. Set aside remainder of steel for Component 9. Chamfer all corners. Mark all hole/roll and scroll positions as indicated on Component Sheet 2. Scroll up to S11, then using roll template for Component 8 on Template Sheet 2, roll the strip from R11 to the end of the strip. Bend at B4 using the template as a guide. Finally, punch all holes. If required, reform the scroll.

Component 9 — Peacock's Beak
10mm x 1.6mm x 50mm (2)

From left over steel for Component 8, cut 2 strips each 50mm long. Chamfer all corners. Mark and punch holes as indicated on Component Sheet 2.

Component 15 — Feet
12mm x 2mm x 260mm (2)

Using off-cut steel from Components 6 & 7, cut 2 strips each 260mm long. Chamfer all corners. Mark hole, roll and bend positions as shown on Component Sheet 2. Roll each scroll strip from R12 to the end of the strip and bend at B5. Use the template on Template Sheet 2 as a guide. Punch all holes.

Component 14 — Inner Scroll
10mm x 1.6mm x 160mm (8)

Using off-cut steel from Component 13 and 1 length of 10 x 1.6 x 914mm steel strip, cut 8 strips each 160mm long. Chamfer all corners and mark all hole and scroll positions as shown on Component Sheet 2. Roll each strip for the full length and then scroll up to S16. Use the template on Template Sheet 2 as a guide. Punch all holes. Trim each strip down by 30mm leaving 5mm between the hole and the end of the strip. Chamfer corners at hole end.

Component 13 — Top Inner Scroll
10mm x 1.6mm x 160mm (2)

From 1 length of 10 x 1.6 x 914mm steel strip, cut 2 strips each 160mm long. Chamfer all corners and mark hole and scroll positions as shown on Component Sheet 2. Roll each strip for the full length and then scroll up to S15. Use the template on Template Sheet 2 as a guide. Punch all holes.

Components 10,11 & 12 — Head Scrolls
10 x 1.6 x 180mm (1)
10 x 1.6 x 150mm (1)
10 x 1.6 x 130mm (1)

Using off-cut steel from previous components, cut 3 strips, one 180mm long, one 150mm long and one 130mm long. Chamfer all corners and mark hole and scroll positions as shown on Component Sheet 2. Roll all 3 strips using the templates on Template Sheet 2 as a guide. Scroll all 3 strips up to the "S" mark and punch all holes.

metalcraft™

Design Pack

Peacock Plant Holder

Difficulty Rating:	
Easy	
Straightforward	✔
More complex	

ASSEMBLY INSTRUCTIONS

1

Lay all the parts required to form the Peacock's tail on a flat surface, Components 1-5 and 13-14. To one side place all the parts required to make the Peacock's neck and head, Components 8, 9, 10, 11 and 12. Check all components against the Assembly Sheet and make any necessary adjustments until you are happy.

2

Using 6 x 3mm rivets, connect Component 14 (using hole H35) to Components 1, 2, 3, and 4 at hole locations, H1, H5, H6, H8, H9, H11, H12 and H14.

3

Using 6 x 3mm rivets, connect Component 13 (using hole H34) to Component 5 at hole locations, H16 and H18.

4

Using 6 x 3mm rivets, connect 2 no. legs-Component 15 (using hole H36) to Component 1 at hole locations H2 and H4.

5

Using 6 x 3mm rivets, connect 2 no. beak sections- Component 9 (using hole H30) to the neck-Component 8 at hole locations H28 and H29.

6

Using 6 x 3mm rivets, attach the head scrolls, Components 10, 11 and 12 (using holes H31, H32 and H33) to Component 8, as follows:
H25 to H31
H26 to H32
H27 to H33

7

Using a 6 x 3mm rivet, attach the plant pot hoop fixing tab, Component 7 to the **outside** face of the plant pot hoop, Component 6. Use hole H20 on Component 6 and hole H22 on Component 7.

8

Using a 6 x 3mm rivet, attach the neck, Component 8 to the plant pot hoop, Component 6. Use hole H24 on Component 8 and hole H21 on Component 6.

9

Lay the plant pot hoop fixing tab, Component 7 on top of Component 5 and using 12 x 3mm rivet, attach Component 7 (using hole H23) to, Component 5 (using hole H17), Component 4 (using hole H13), Component 3 (using hole H10), Component 2 (using hole H7) and Component 1 (using hole H3)
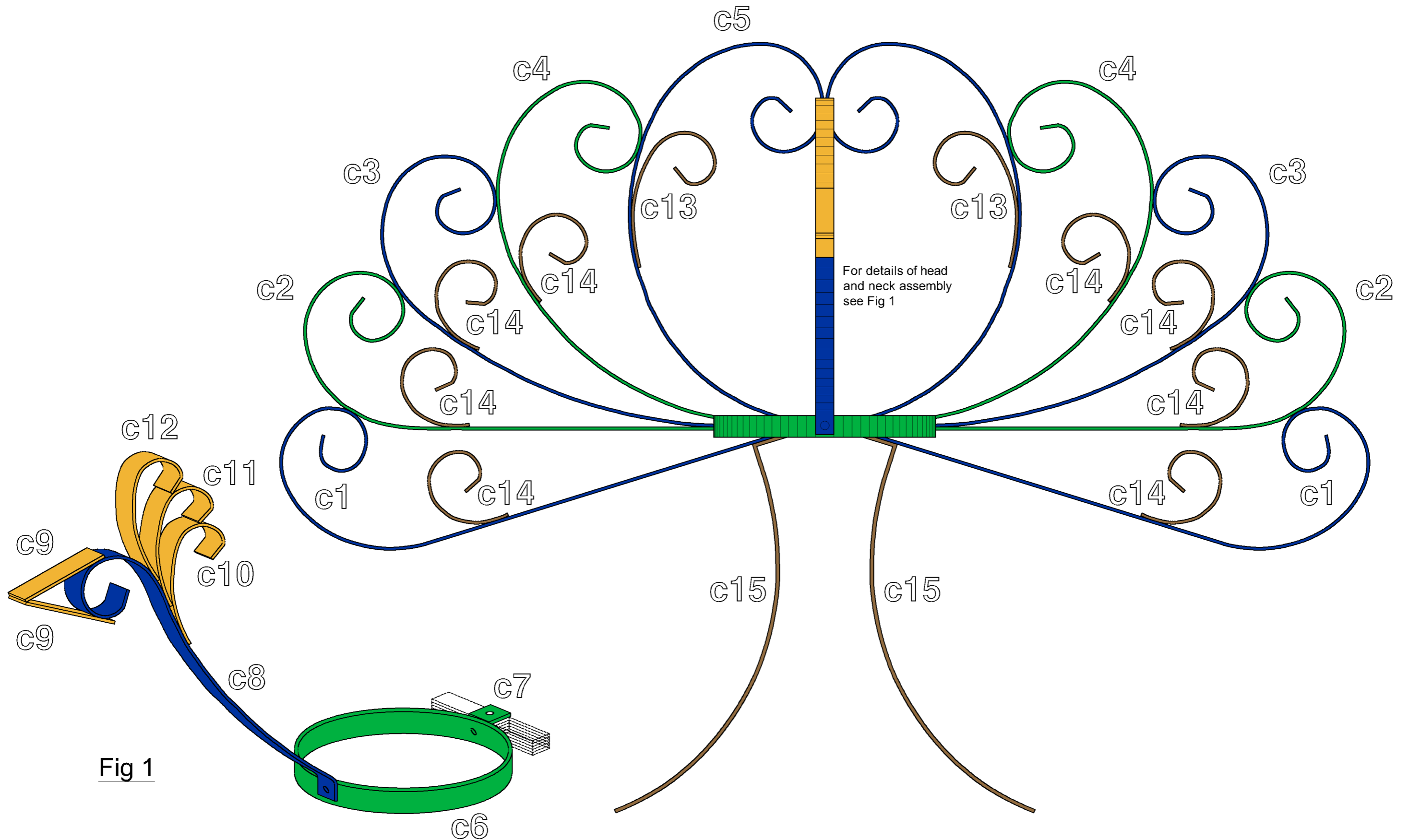
10

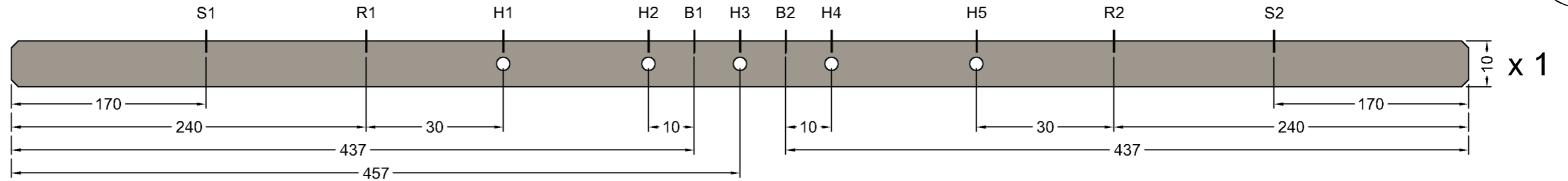Using 6 x 3mm rivet, rivet Component 5 together using holes H15 and H19.

Applied finish and decoration

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 finishing.
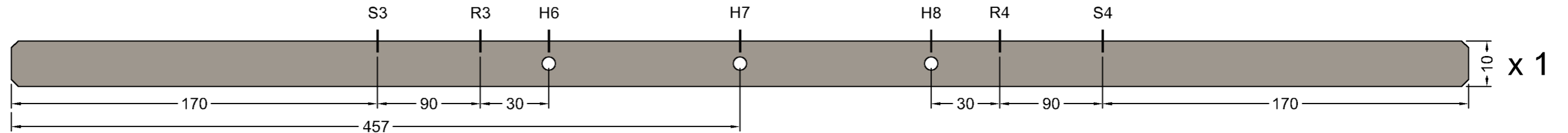
However, even with aerosol or paint finish you can make your finished item look professional. In this case we use paints from the Plasti-kote and Hammerite ranges - available from most DIY and Painting/Decorating outlets. For best results, always follow instructions on the tin and make sure the metal is free of all scale, dirt, grease or rust.
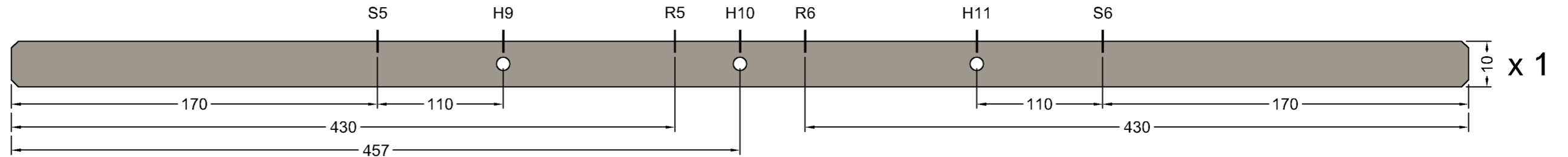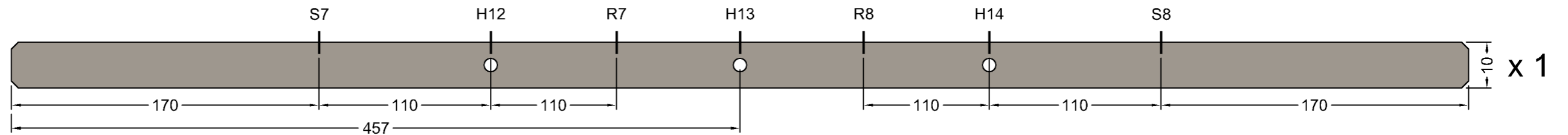
c5

c4

c4

c3

c3

c13

c13

For details of head
and neck assembly
see Fig 1

c2

c14

c14

c2

c14

c14

c14

c14

c14

c14

c12

c11

c14

c9

c1

c14

c1

c10

c14

c9

c15

c15

c8

c7

Fig 1

c6

Component 1
914 x 10 x 1.6mm
x 1

S1 R1 H1 H2 B1 H3 B2 H4 H5 R2 S2

170
240
437
457
30
10
10
30
240
170
10

Component 2
914 x 10 x 1.6mm
x 1

S3 R3 H6 H7 H8 R4 S4

170
90
30
457
30
90
170
10

Component 3
914 x 10 x 1.6mm
x 1

S5 H9 R5 H10 R6 H11 S6

170
110
430
457
110
170
10

Component 4
914 x 10 x 1.6mm
x 1

S7 H12 R7 H13 R8 H14 S8

170
110
110
457
110
110
170
10

Component 5
914 x 10 x 1.6mm
x 1

H15/R9 S9 H16 H17 H18 S10 H19/R10

100
70
150
457
150
70
100
10

Component 6
375 x 12 x 2mm
x 1

H20 H21

6
188
375
12

NOT TO SCALE
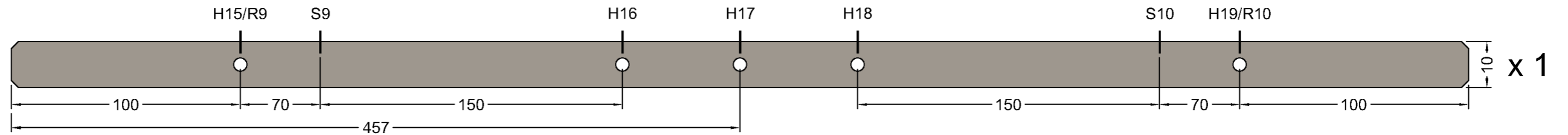
Component 7
25 x 10 x 1.6mm
H22 B3 H23
10
x 1
6   6
12.5
25
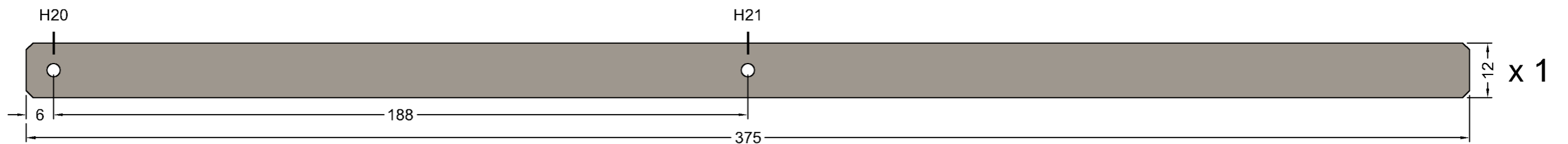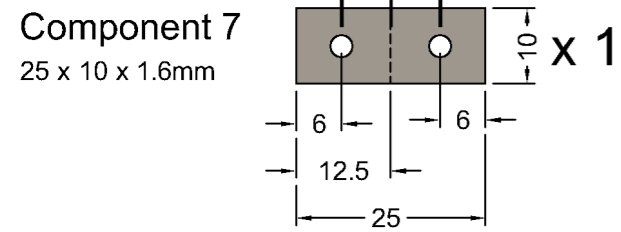
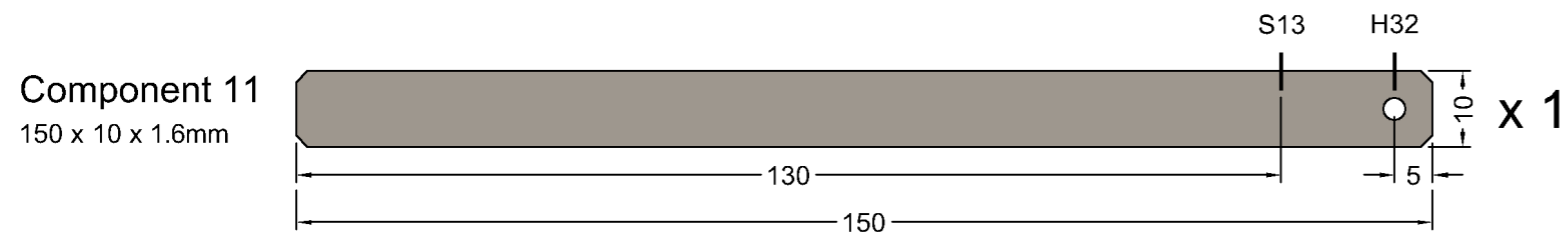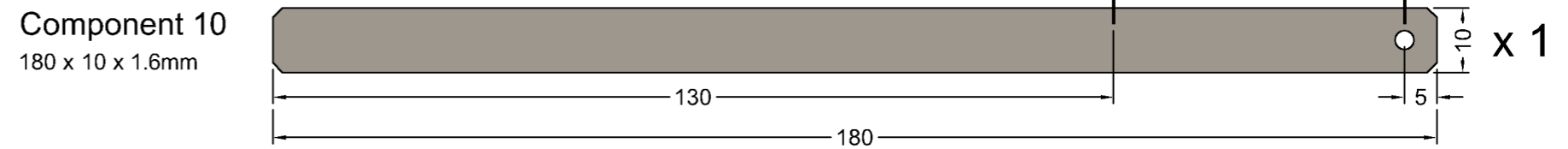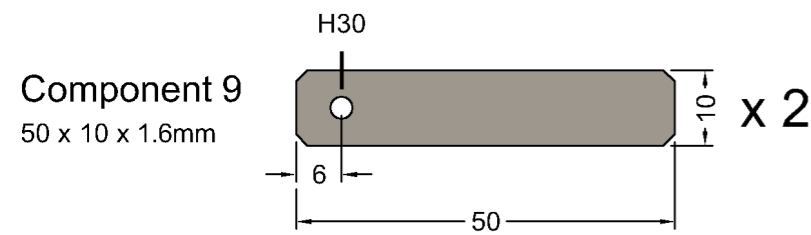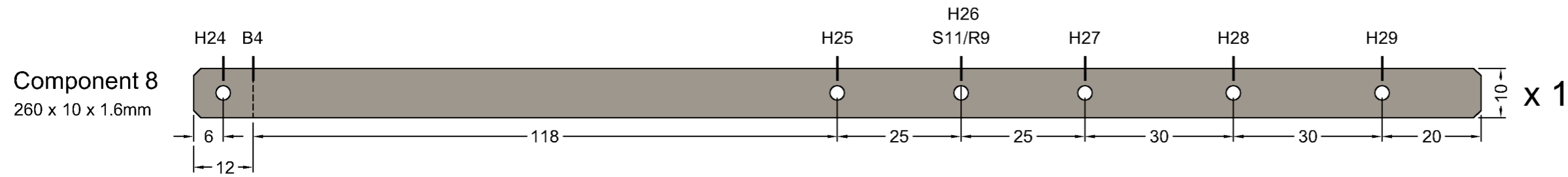**List of Materials Required:**

8 x 914mm (3ft) Lengths of 10mm x 1.6mm Steel strip (Re-Order Ref: MC031)
1 x 914mm (3ft) Length of 12mm 2mm Steel Strip (Re-Order Ref: MC034)
20 x 6mm x 3mm Rivets (Re-Order Ref: MC050L)
1 x 12mm x 3mm Rivet (Re-Order Ref: MC053L)
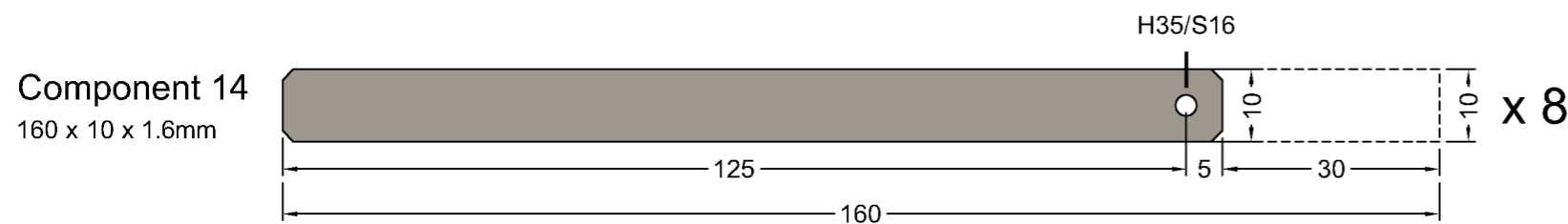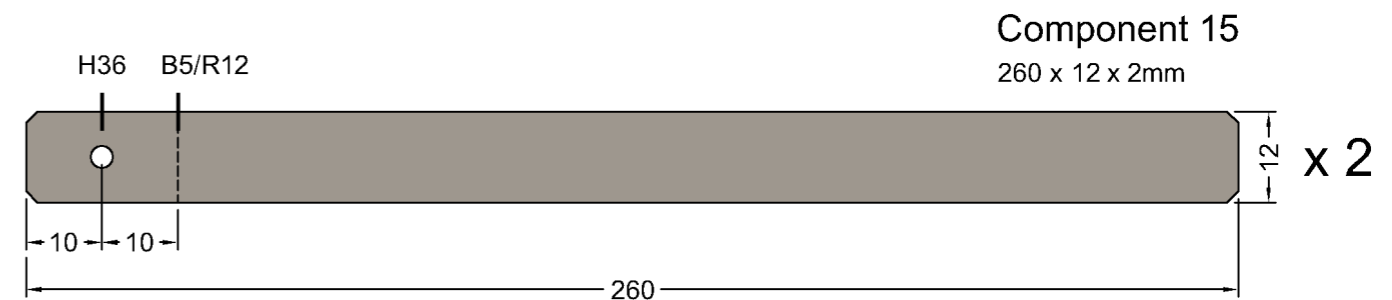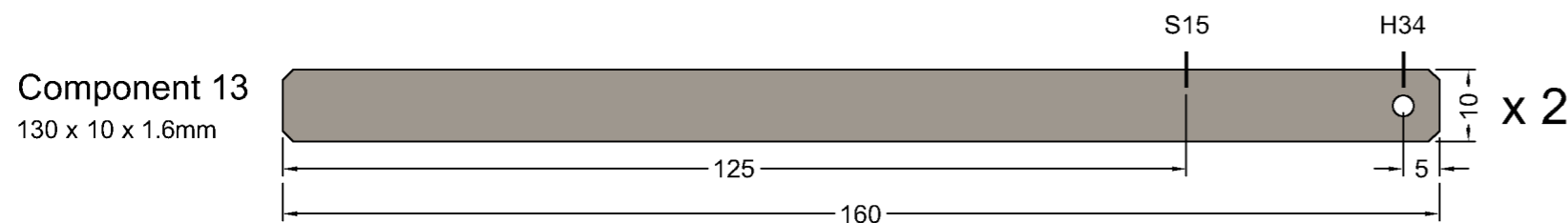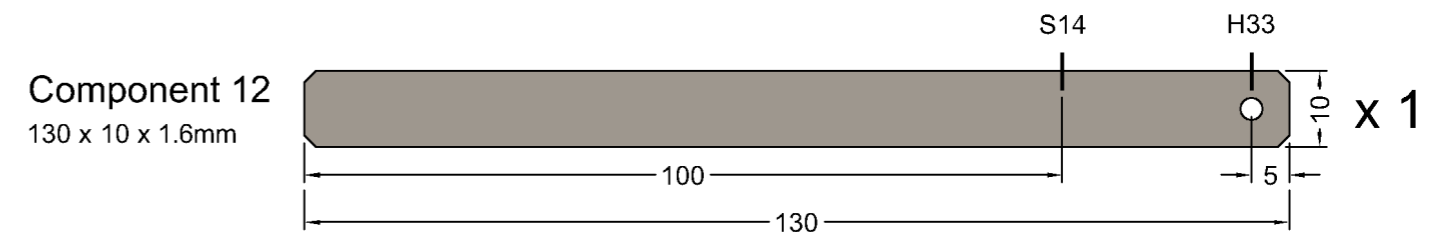
Component 8
260 x 10 x 1.6mm
H24 B4   H25 H26 S11/R9 H27   H28   H29
10
x 1
6   118   25   25   30   30   20
12

Component 9
50 x 10 x 1.6mm
H30
10
x 2
6
50

Component 10
180 x 10 x 1.6mm
S12   H31
10
x 1
130   5
180

Component 11
150 x 10 x 1.6mm
S13   H32
10
x 1
130   5
150

Component 12
130 x 10 x 1.6mm
S14   H33
10
x 1
100   5
130

Component 13
130 x 10 x 1.6mm
S15   H34
10
x 2
125   5
160

Component 15
260 x 12 x 2mm
H36 B5/R12
12
x 2
10 10
260

Component 14
160 x 10 x 1.6mm
H35/S16
10   10
x 8
125   5   30
160

Scroll from this end, see
Component Sheet 1 for scroll setting out.

Remainder of component not shown, see
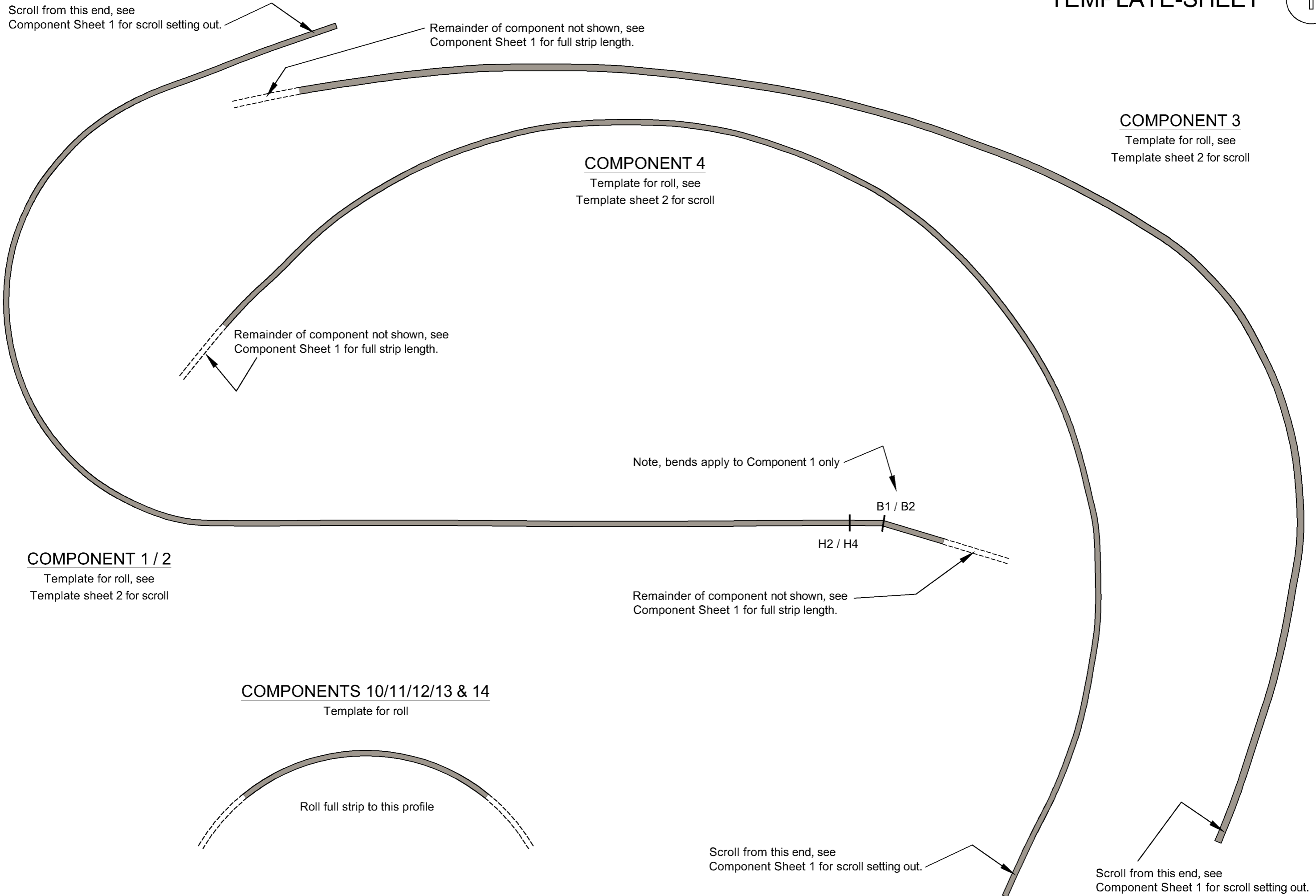Component Sheet 1 for full strip length.

COMPONENT 3
Template for roll, see
Template sheet 2 for scroll

COMPONENT 4
Template for roll, see
Template sheet 2 for scroll

Remainder of component not shown, see
Component Sheet 1 for full strip length.

Note, bends apply to Component 1 only

B1 / B2

H2 / H4

COMPONENT 1 / 2
Template for roll, see
Template sheet 2 for scroll

Remainder of component not shown, see
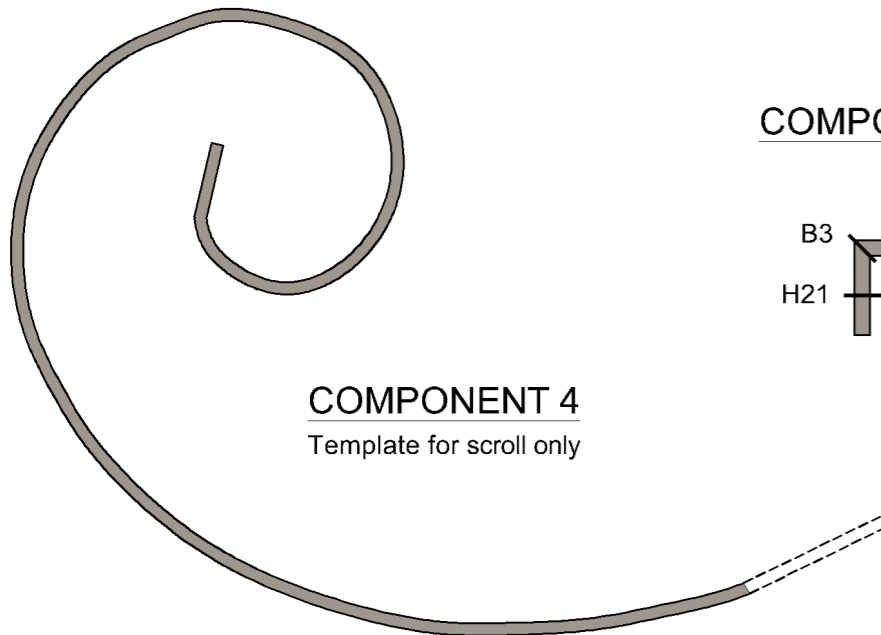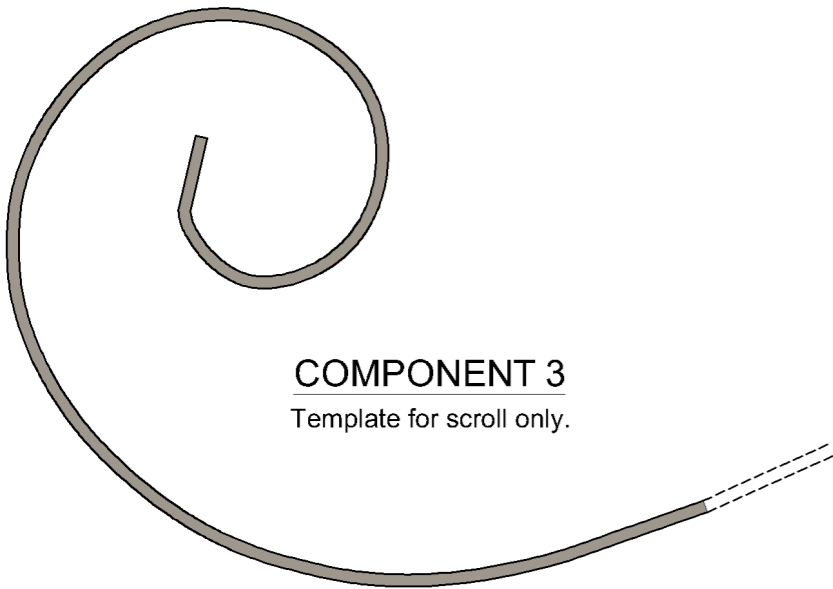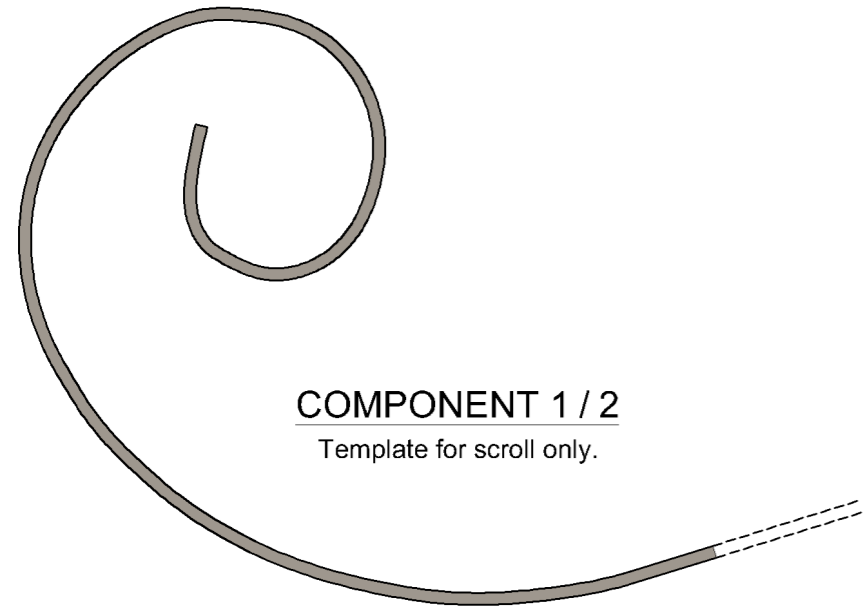Component Sheet 1 for full strip length.

COMPONENTS 10/11/12/13 & 14
Template for roll

Roll full strip to this profile

Scroll from this end, see
Component Sheet 1 for scroll setting out.

Scroll from this end, see
Component Sheet 1 for scroll setting out.

COMPONENT 5

COMPONENT 1 / 2
Template for scroll only.

COMPONENT 3
Template for scroll only.

H19

COMPONENT 6

COMPONENT 7

H22
B3
H21

H20

COMPONENT 4
Template for scroll only

COMPONENT 15

B4

COMPONENT 8