

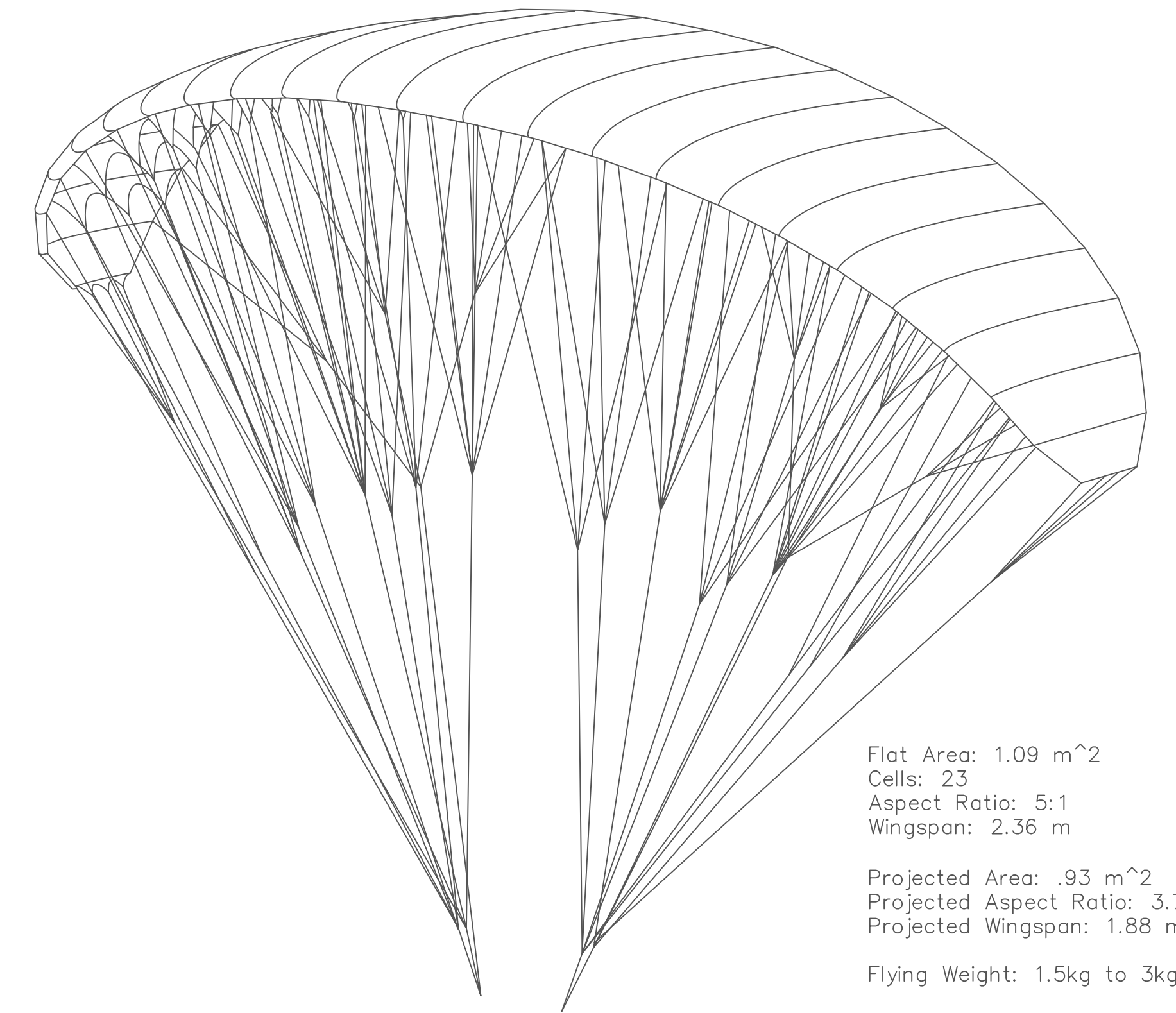
Designed by James Presnell, 2016  
<http://adventurec.blogspot.com>  
[rcairadventures@gmail.com](mailto:rcairadventures@gmail.com)

Using SingleSkin Paraglider Design software  
<https://sourceforge.net/projects/singleskin/>

Plans Rev. 2, 12/04/2016

# LUTEFISK

Single-Skin R/C Paramotor Wing

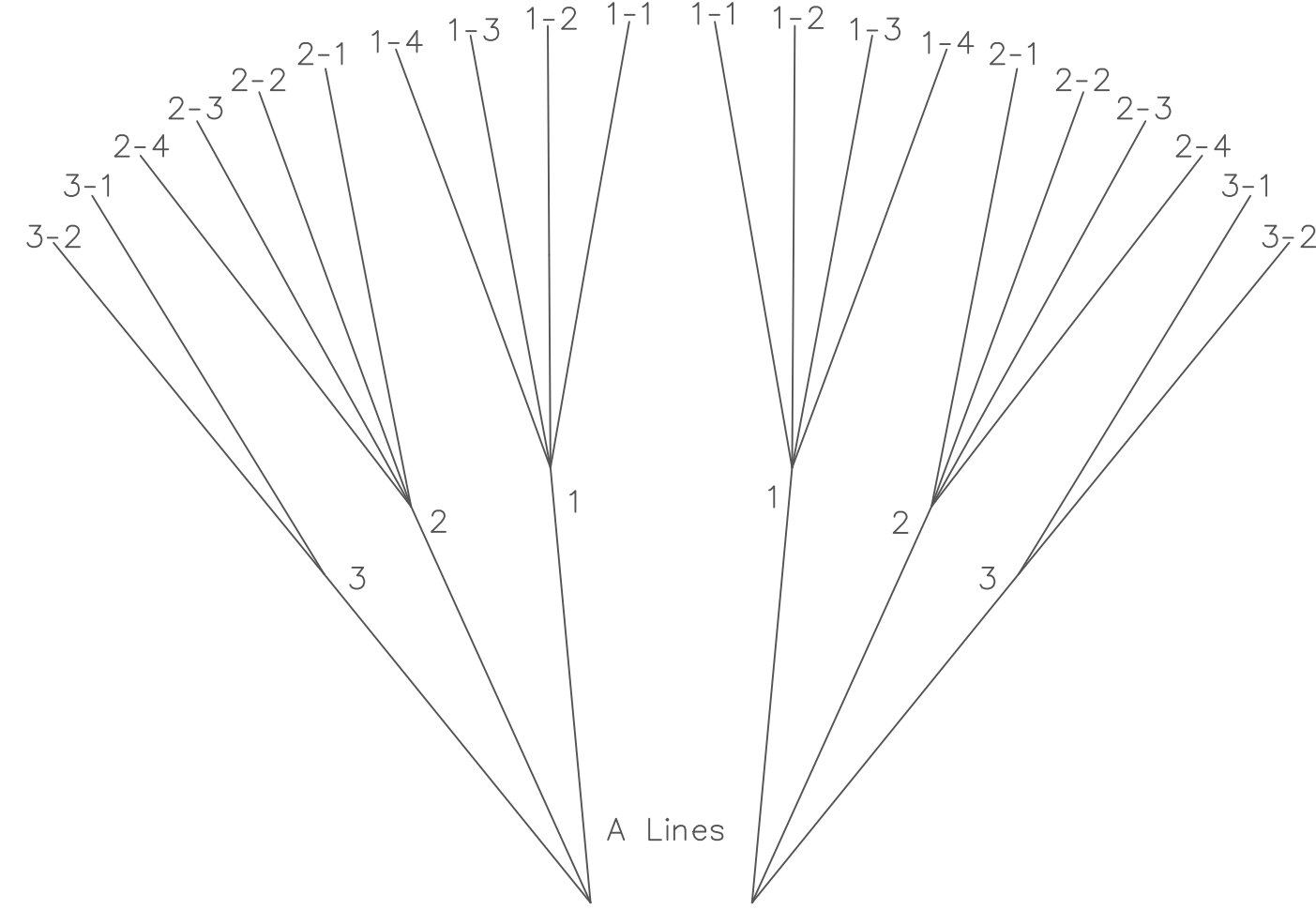


Flat Area: 1.09 m<sup>2</sup>  
 Cells: 23  
 Aspect Ratio: 5:1  
 Wingspan: 2.36 m

Projected Area: .93 m<sup>2</sup>  
 Projected Aspect Ratio: 3.79:1  
 Projected Wingspan: 1.88 m

Flying Weight: 1.5kg to 3kg

Riser Height: 100 mm  
 Riser Separation: 100-180 mm



A-Lines: No line on Rib11  
 All lengths are in mm

1 : 628  
 1-1 : 652  
 1-2 : 637  
 1-3 : 633  
 1-4 : 639

2 : 623  
 2-1 : 641  
 2-2 : 631  
 2-3 : 629  
 2-4 : 630

3 : 603  
 3-1 : 633  
 3-2 : 609

## Designer's Notes (work in progress)

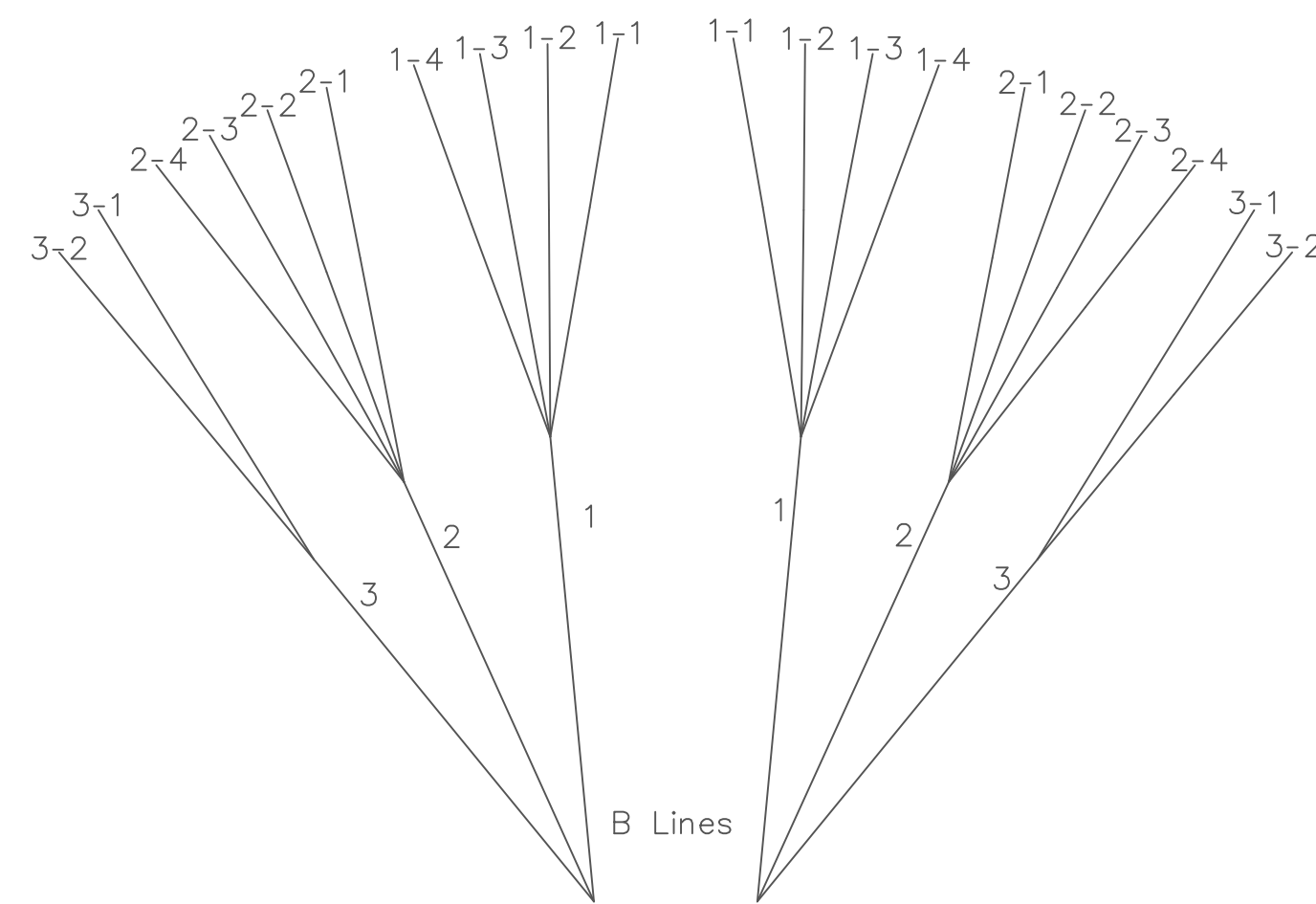
-Wing material is Icarex PC31 ripstop polyester or similar - heavier material will mildly affect flight characteristics. PC31 is available from Kites and Fun Things: <http://www.kitesandfunthings.com>

-Lines should be as thin as possible while maintaining strength. All line material should be spectra, aramid, or equivalent. It is imperative that lines do not stretch, as this will change the shape of the wing. 50lb test lines are more than sufficient for this model.

-Stitching of panels and ribs is all straight-stitch at normal length. Rib Stiffeners are stitched to ribs with straight stitches. Attachment points use a fine zig-zag stitch.

-It may be necessary to use a small amount of fabric adhesive to secure the leading edge of the rib stiffeners to the smaller ribs, as it is quite difficult to reach the inside of the leading edge and the risk of inadvertent stitching of panels is high.

-Please refer to the provided construction guide (in progress as of 11/23/16) for details regarding specific materials and construction steps.



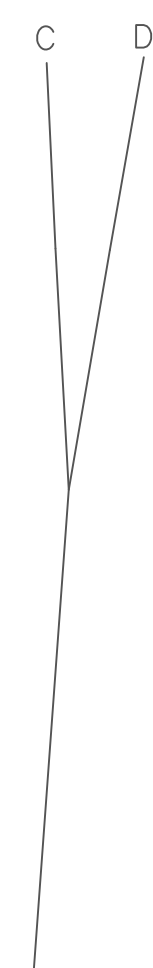
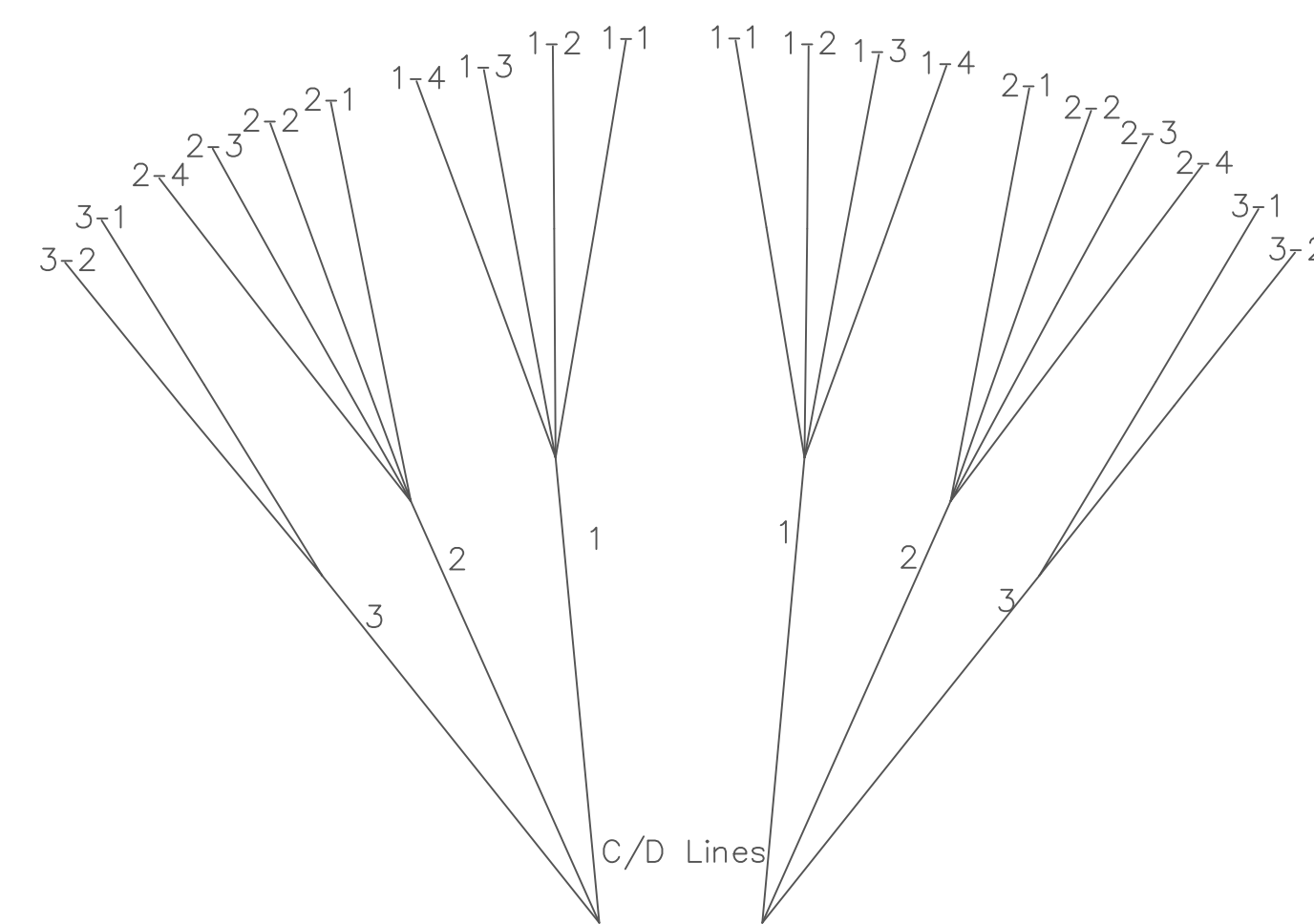
B-Lines: No line on Rib11  
 All lengths are in mm

1 : 652  
 1-1 : 565  
 1-2 : 549  
 1-3 : 546  
 1-4 : 554

2 : 643  
 2-1 : 562  
 2-2 : 554  
 2-3 : 555  
 2-4 : 562

3 : 617  
 3-1 : 574  
 3-2 : 558

Build Notes

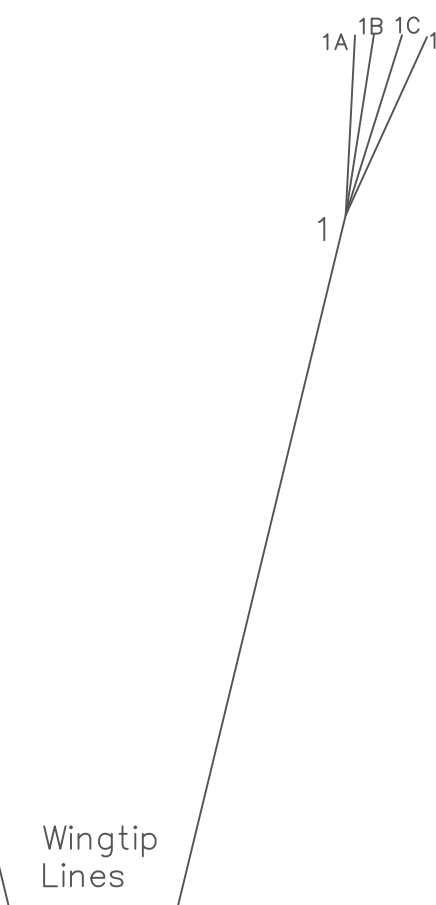
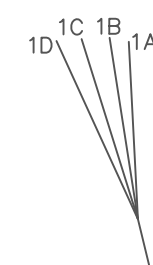


C/D-Lines: No line on Rib11  
 All lengths are in mm

1 : 651  
 C1-1 : 577 D1-1 : 592  
 C1-2 : 562 D1-2 : 577  
 C1-3 : 558 D1-3 : 573  
 C1-4 : 567 D1-4 : 582

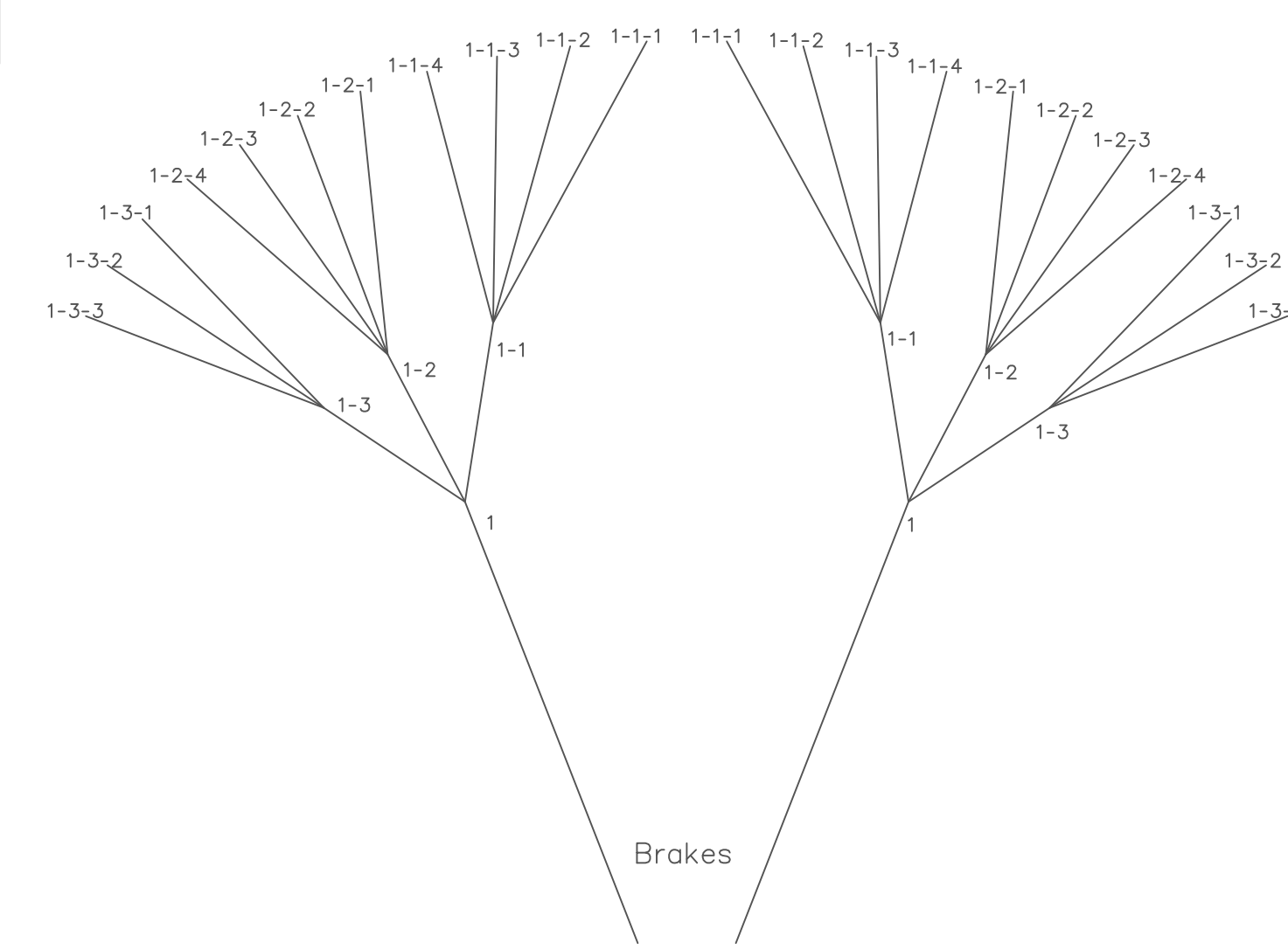
2 : 644  
 C2-1 : 573 D2-1 : 587  
 C2-2 : 566 D2-2 : 580  
 C2-3 : 566 D2-3 : 580  
 C2-4 : 572 D2-4 : 585

3 : 620  
 C3-1 : 584 D3-1 : 596  
 C3-2 : 565 D3-2 : 576



Wingtip Lines  
 All lengths are in mm

1 : 902  
 1A : 257  
 1B : 257  
 1C : 260  
 1D : 266



Brakes:  
 All lengths are in mm

1 : Mark at 649, cut at 1000

1-1 : 285  
 1-1-1 : 501  
 1-1-2 : 450  
 1-1-3 : 419  
 1-1-4 : 409

1-2 : 263  
 1-2-1 : 416  
 1-2-2 : 402  
 1-2-3 : 403  
 1-2-4 : 416

1-3 : 264  
 1-3-1 : 411  
 1-3-2 : 404  
 1-3-3 : 393

