

Estimated aluminum needed for Bearhawk Wings:

QTY	Size	Description	
1	4x8	.020 2024-T3	Alum Sheet
1	4x12	.020 2024-T3	Alum Sheet
9	4x12	.025 2024-T3	Alum Sheet
3	4x8	.032 2024-T3	Alum Sheet
1	4x12	.032 2024-T3	Alum Sheet
2	4x8	.050 5052	Main Fuel Tanks
1	4x6	.050 5052	Aux Tanks
1	4x4	.050 5052	Skin Stiffeners
13	1/8" x 1-1/4" x 12'	2024 - T3/T4	Main Capstrips
8	1/8" x 3/4" x 14'	6061-T6	Rear Capstrips
46 ft	1/8" x 1/2"	6061-T6	Spacers
18 ft	1/4" x 1/2"	6061-T6	Spacers
1	2' x 4'	.125 2024-T3	Attach plating
1	2' x 2'	.062 2024-T3	Flap & Ail doubler plate

See following pages for layout accounting for aluminum sheet estimates. Verify measurements before cutting blanks.

Note: This list is an estimate of the minimum needed for Bearhawk wings. It does not include enough aluminum for all the rib stiffener angles and rib attach angles. There is some material left over using the following layouts but not enough for all the angles.

Wing Skin 2024-T3 .020 Sheet

Index/Part Description/pg/# Req/Size

2.3.1/Flap Gusset. -L/9/4/2@11x17

2.3.2/Flap Gusset. -R/9/4/2@11x17

2.3.5/Flap Hinge Cover xx/9/6/13x5

3.3.2/Ail Hinge Cover xx/10/4/13x5

3.3.1/Aileron Nose Skin/10/2/15x66

2.3.4/Flap Leading Edge/9/2/13x91

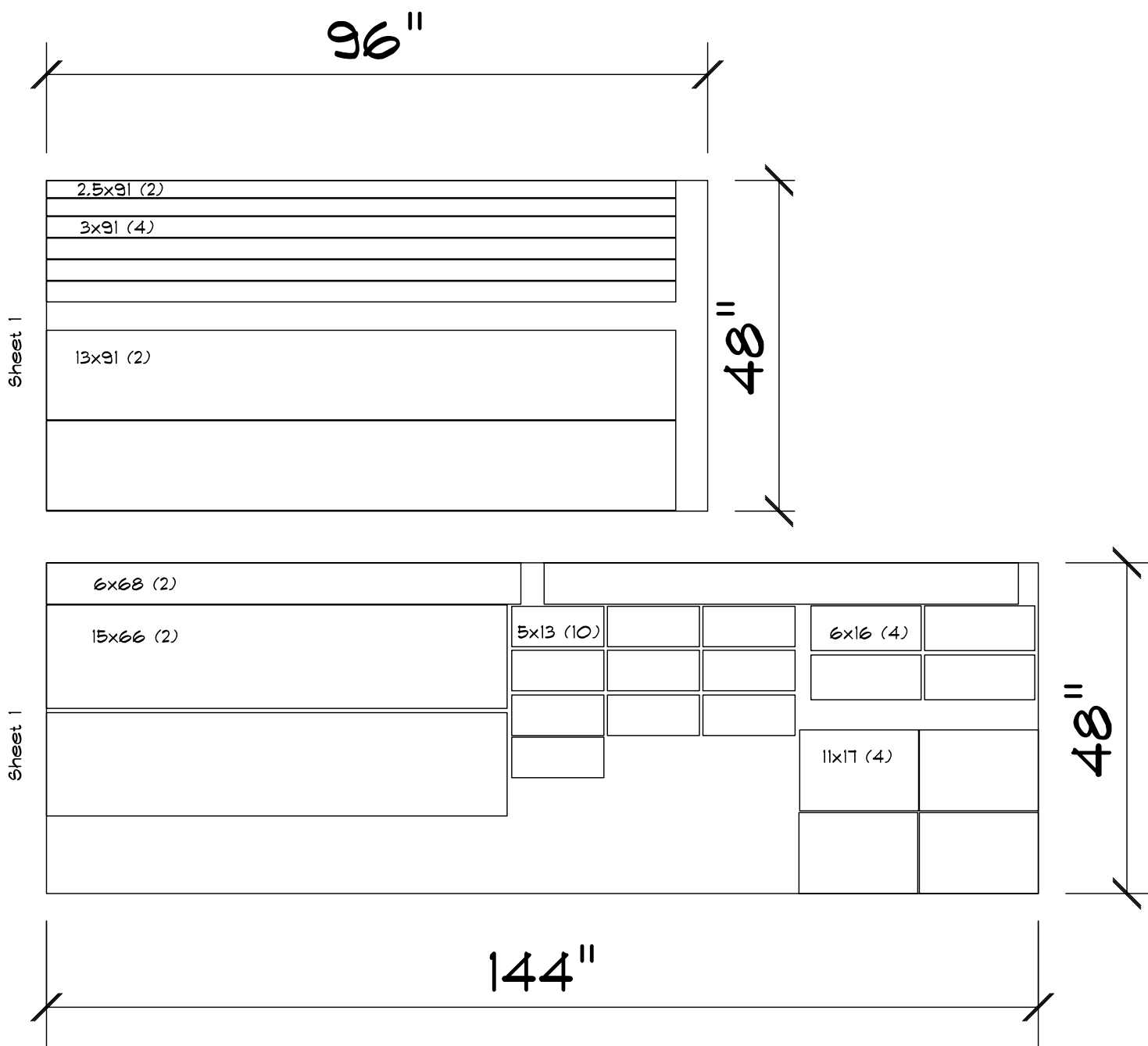
1.6.10/Flap Pocket Stiffen xx 9/2/2.5x91

3.3.3/Aireron Gusset.-L xx/10/4/2@6x16

3.3.4/Aileron Gusset.-R xx/10/4/2@6x16

1.7.19/Flap Pocket Stiffen/9/4/3x91

1.6.9/Ail. Pocket Skin/10/2/6x68



Wing Skins

144"

48"

Sheet 1 - 2024-T3 .025

Bottom Skin

Btm aft of Tank

Flap Trailing Edge

Sheet 2 - 2024-T3 .025

Bottom Skin

Btm aft of Tank

Flap Trailing Edge

Sheet 3 - 2024-T3 .025

Top Skin #1, #2

Top Skin #1, #2

Sheet 4 - 2024-T3 .025

Top Skin #1, #2

Top Skin #1, #2

Sheet 5 - 2024-T3 .025

Top Skin #3

Top Skin #3

Hinge reienforc out

Sheet 6 - 2024-T3 .025

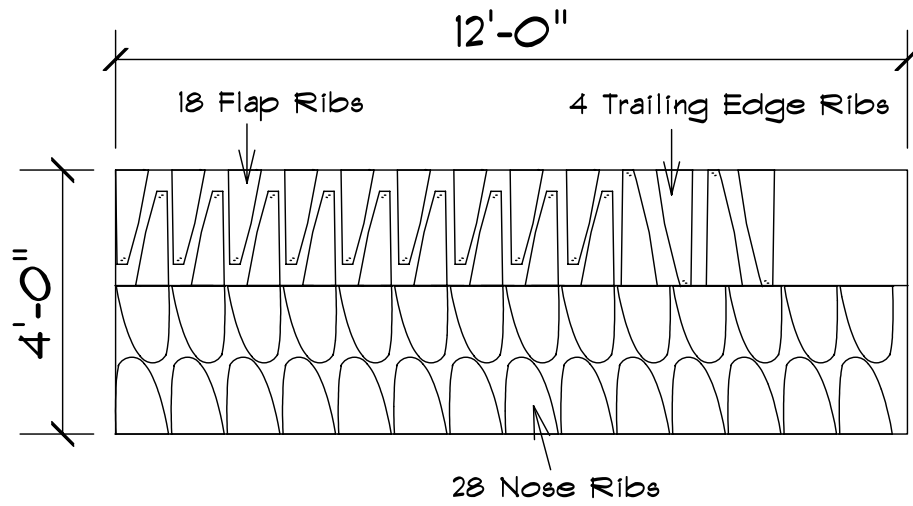
Top Skin #4

Top Skin #4

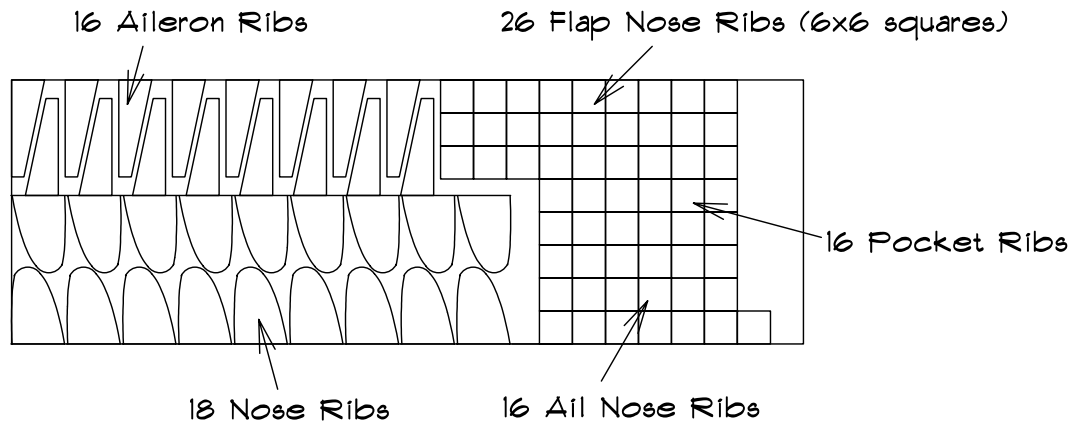
Ail Trailing Edge

Ail Trailing Edge

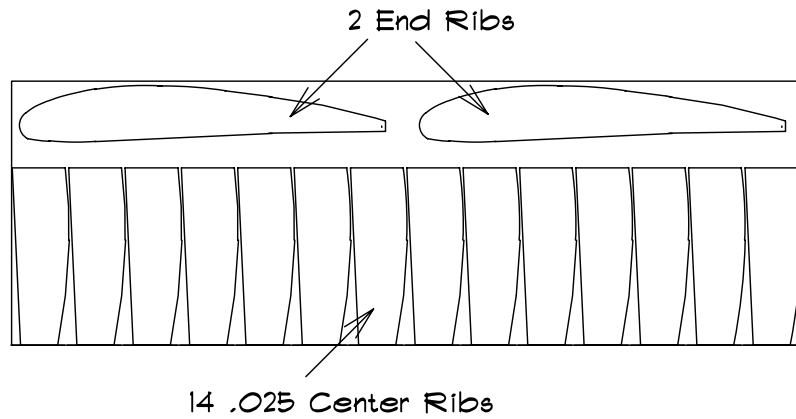
RIBS



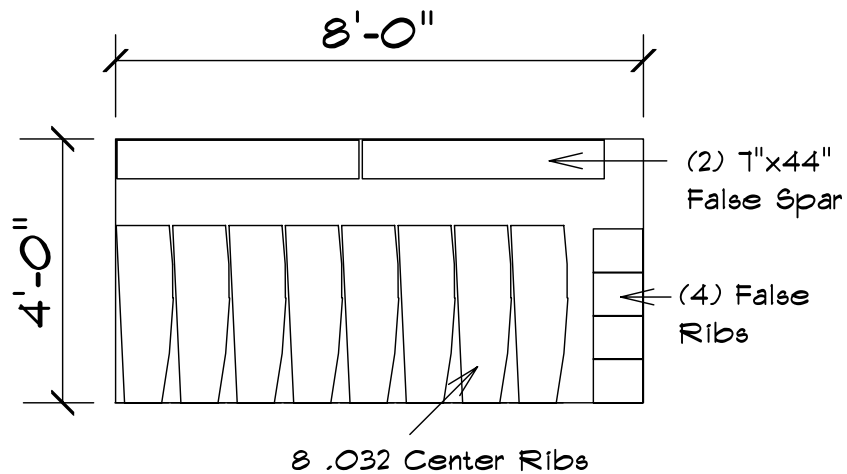
Sheet 7 - 2024-T3 .025
4x12



Sheet 8 - 2024-T3 .025
4x12



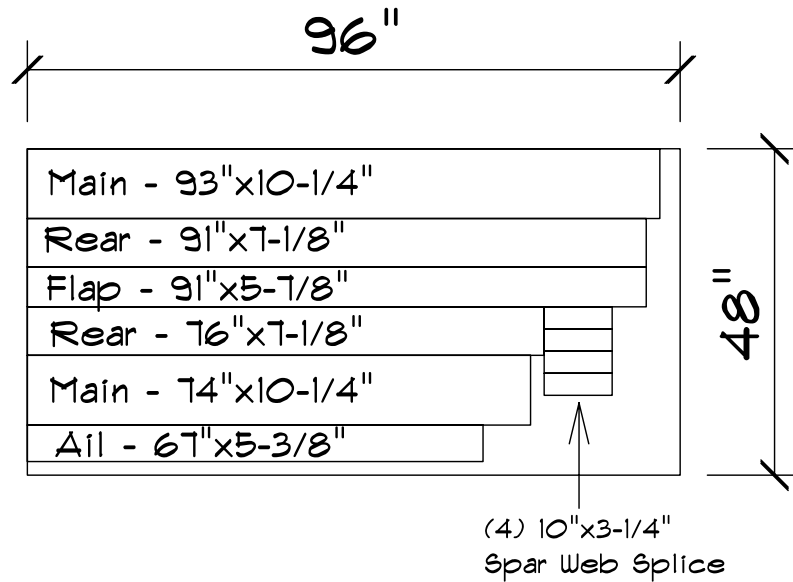
Sheet 9 - 2024-T3 .025
4x12



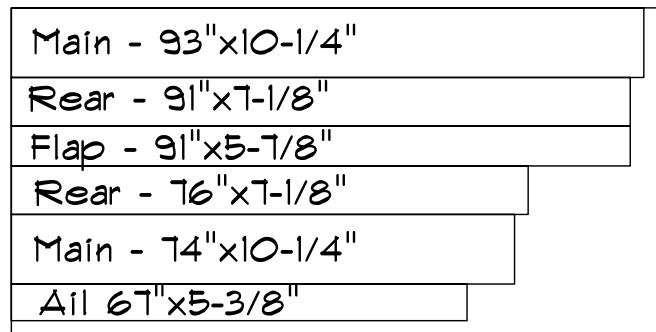
Sheet 1 - 2024-T3 .032
4x8

Spar Webs

Sheet 2 - 2024-T3 .032



Sheet 3 - 2024-T3 .032



Note 1: Use these measurements for reference only. Your spar webs may differ slightly.

Note 2: Unless using a sheer to cut the web blanks you can layout each web blank with about 3/8" between them and rough cut leaving at least 1/8" clearance to the line. Use a router and straight edge to cut a clean edge to the correct size for each web blank.

.032 Wing Skins

Sheet 1 - .032 2024-T3

