

Material List for Pietenpol Air Camper (ORIGINAL) compiled by Robert McKinley
 Revised by Mark Chouinard (my contributions in **BOLD**)

FUSELAGE REQUIREMENTS

Count	Dimensions	Notes
4	1" x 1" x 15'	Longerons
1	1" x 1" x 6'	
1	1" x 1" x 5'	Cut for two tailposts and ripped to 7/8" for bot of fuse #2
2	7/8" x 1" x 8'	
1	7/8" x 1" x 6'	
4	3/4" x 1" x 8'	
1	3/4" x 1" x 3'	
5	1/2" x 1" x 6'	
1	5/8" x 1" x 5'	

TAIL GROUP REQUIREMENTS

Count	Dimensions	Notes
2	1" x 1" x 8'	"main beam" hinge point for horiz stab and rudder fin/rudder 8' = 42 1/2 EL FRONT x 2 and 90 HORIZ REAR; 7' = 43 1/2 RUD FRONT and 31 TAIL REAR; 6' = 20 EL IB, 21 RUD TOP, 18 TAIL BOT; 5' = 18 ELE OB x 2, 20 EL IB, 21 RUD BOT, 36 HORIZ ENDS (I think)
2	1" x 1" x 5'	
2	1" x 1" x 7'	
1	1" x 1" x 6'	
4	3/4" x 1" x 8'	Leading Edge / Center Beam
2	3/4" x 1/2" x 5'	Diagonal Brace
1	5/8" x 1-1/8" x 9'	Trailing Edge (Aircraft Spruce provides 5/8" x 1-1/4")
9	3/16" 1/2" x 6'	McKinley counted 7
9	3/16" x 1/2" x 4'	McKinley counted 7

WING REQUIREMENTS

Count	Dimensions	Notes
4	1" x 4-3/4" x 14'	Main Spars (Aircraft Spruce provides 3/4" x 4-3/4")
2	1" x 4-3/4" x 29"	Center Section Spars (Aircraft Spruce provides 3/4" x 4-3/4")
4	1/2" x 3" x 7'	Aileron Spars
2	1/2" x 1-1/2" x 7'	Aileron Brace
4	3/4" x 3/4" x 5'	Compression Struts
4	1/2" x 1/2" x 7'	Diagonal Braces (tip and root)

72 pcs. Total in Aircraft Spruce Wood Package

WING RIBS (not included in Aircraft Spruce wood package)

110	1/4" x 1/4" x 60"	540' capstrip - up to 65HP
	1/4" x 1/2" x 60"	540' capstrip - if over 65HP
2	1/2" x 1/2" x 60"	12' capstrip for nose blocks

The wood package from Aircraft Spruce does not include any of the wing rib, wing tip bow or plywood materials.

The count that I have provided is based upon the Aircraft Spruce wood package that I recieved in July 2009, which is still being offered as of this writing... I have noted the minor differences where they differ from McKinley's count.

I found that 540' of capstrip (60" sticks), was enough to build the 3-piece wings with only a couple of sticks to spare.

I can't provide an honest estimate for the plywood as each project seems to have slightly different requirements.