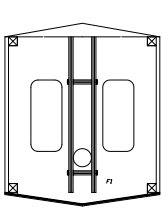
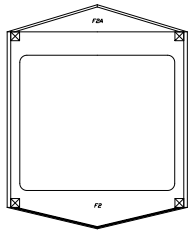
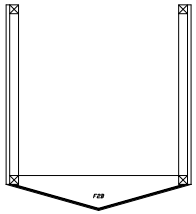
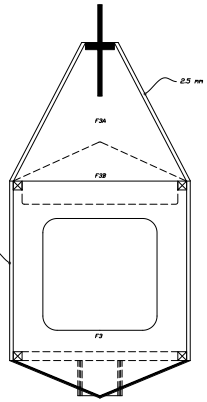
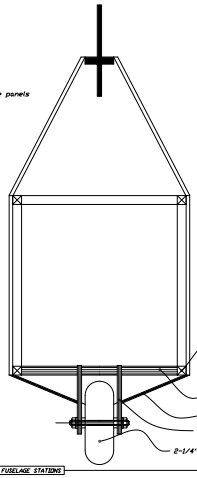
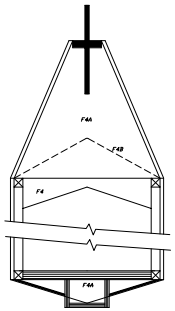


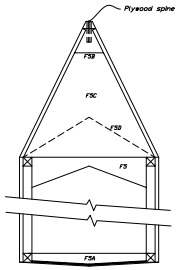


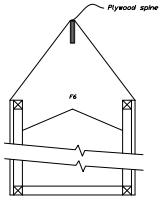


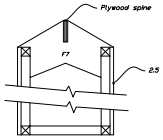


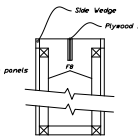


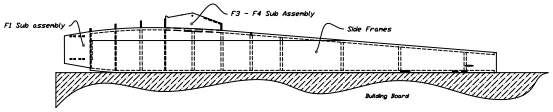






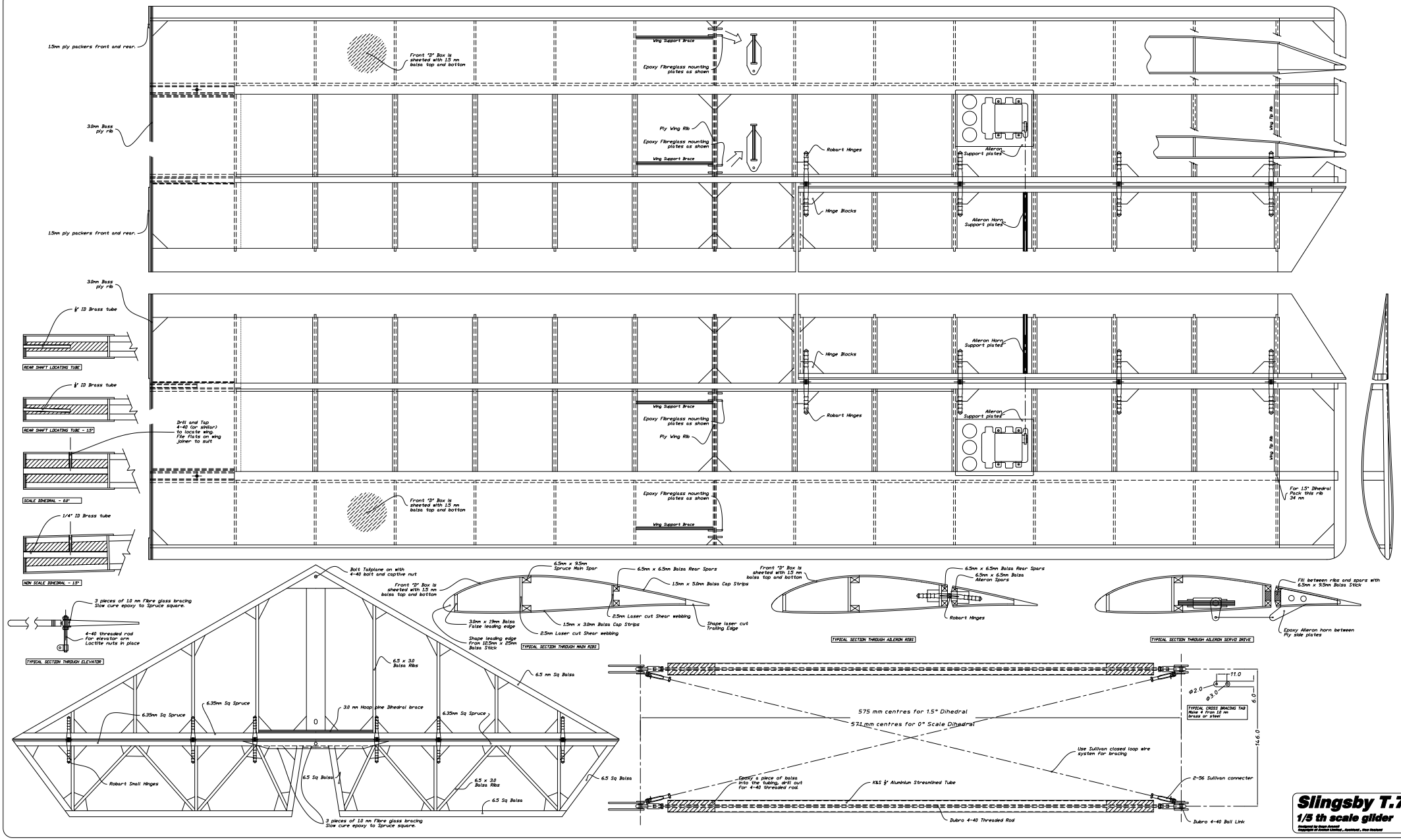






Suggested Fuselage Build Sequence:

- Make two sides (Cores - Left Hand and Right Hand versions of the Balsa side sheets cut from the 1/16" sheet provided)
- Make a sub assembly of F3 and F4 with the undercarriage plate
- Glue the two sides of F1 and the front box former F2 to the plan building board
- Pin the two sides, carefully, to the centre former F3 and the rear former F4 on the plan
- Place the F3/F4 and F5 and the sub assembly between the sides and line up on the centre line making sure that it is straight and square and pin in place
- Start gluing the rear sides in and gluing in the formers F5, F6, F7, F8 and F9. Use a square to ensure that the sides stay square. Pin and glue F5A and F5B as well. Use a piece of scrap wood as a temporary brace between the sides that will also support the tail bench. These can be broken out once the formers F5 - F9 are in place
- Pull in the nose sides and install formers F2, F2A and F1 carefully keeping everything square as it is glued in
- At this point you could install the 1.5mm plywood undercarriage base or you can leave it until the fuselage is removed from the plan but it fits before you cut the sky parts (which are explained later)
- Once glue is dry, remove from the building board and install the formers F3A, F3B, F3C, F3D, F4A, F4B, F5A, F5B, F5C, F5D, F5E, F5F, F6A, F6B, F7A, F7B, F8A, F8B, F9A, F9B, F9C, F9D, F9E, F9F, F9G, F9H, F9J, F9K, F9L, F9M, F9N, F9P, F9Q, F9R, F9S, F9T, F9U, F9V, F9W, F9X, F9Y, F9Z, F9AA, F9BB, F9CC, F9DD, F9EE, F9FF, F9GG, F9HH, F9JJ, F9KK, F9LL, F9MM, F9NN, F9PP, F9QQ, F9RR, F9SS, F9TT, F9UU, F9VV, F9WW, F9XX, F9YY, F9ZZ, F9AAA, F9BBB, F9CCC, F9DDD, F9EEE, F9FFF, F9GGG, F9HHH, F9JJJ, F9KKK, F9LLL, F9MMM, F9NNN, F9PPP, F9QQQ, F9RRR, F9SSS, F9TTT, F9UUU, F9VVV, F9WWW, F9XXX, F9YYY, F9ZZZ, F9AAAA, F9BBBB, F9CCCC, F9DDDD, F9EEEE, F9FFFF, F9GGGG, F9HHHH, F9JJJJ, F9KKKK, F9LLLL, F9MMMM, F9NNNN, F9PPPP, F9QQQQ, F9RRRR, F9SSSS, F9TTTT, F9UUUU, F9VVVV, F9WWWW, F9XXXX, F9YYYY, F9ZZZZ, F9AAAAA, F9BBBBB, F9CCCCC, F9DDDDD, F9EEEEE, F9FFFFF, F9GGGGG, F9HHHHH, F9JJJJJ, F9KKKKK, F9LLLLL, F9MMMMM, F9NNNNN, F9PPPPP, F9QQQQQ, F9RRRRR, F9SSSSS, F9TTTTT, F9UU


1.5mm ply packers front and rear.
3.0mm Bass ply rib
1.5mm ply packers front and rear.
Front "D" Box is sheeted with 1.5 mm balsa top and bottom
Wing Support Brace
Epoxy Fibreglass mounting plates as shown
Ply Wing Rib
Epoxy Fibreglass mounting plates as shown
Wing Support Brace
Robart Hinges
Hinge Blocks
Aileron Support plates
Aileron Horn Support plates
Wing Tip Rib
3.0mm Bass ply rib
¼" ID Brass tube
REAR SHAFT LOCATING TUBE
¼" ID Brass tube
REAR SHAFT LOCATING TUBE - 1.5°
Drill and Tap 4-40 (or similar) to locate wing. File Plate on wing joiner to suit
SCALE DIHEDRAL - 0.0°
1/4" ID Brass tube
NON SCALE DIHEDRAL - 1.5°
Hinge Blocks
Aileron Horn Support plates
Robart Hinges
Aileron Support plates
Wing Support Brace
Epoxy Fibreglass mounting plates as shown
Ply Wing Rib
Front "D" Box is sheeted with 1.5 mm balsa top and bottom
Epoxy Fibreglass mounting plates as shown
Wing Support Brace
For 1.5° Dihedral Pack this rib 34 mm
Bolt Tailplane on with 4-40 bolt and captive nut
Front "D" Box is sheeted with 1.5 mm balsa top and bottom
3 pieces of 1.0 mm Fibre glass bracing Slow cure epoxy to Spruce square.
4-40 threaded rod for elevator arm Loctite nuts in place
TYPICAL SECTION THROUGH ELEVATOR
6.5mm x 9.5mm Spruce Main Spar
6.5mm x 6.5mm Balsa Rear Spars
1.5mm x 5.0mm Balsa Cap Strips
3.0mm x 19mm Balsa False leading edge
2.5mm Laser cut Shear webbing
1.5mm x 3.0mm Balsa Cap Strips
Shape leading edge from 10.5mm x 25mm Balsa Stick
Shape laser cut Trailing Edge
TYPICAL SECTION THROUGH MAIN RIBS
Front "D" Box is sheeted with 1.5 mm balsa top and bottom
6.5mm x 6.5mm Balsa Rear Spars
6.5mm x 6.5mm Balsa Aileron Spars
Robart Hinges
TYPICAL SECTION THROUGH AILERON RIBS
Fill between ribs and spars with 6.5mm x 9.5mm Balsa Stick
Epoxy Aileron horn between Ply side plates
TYPICAL SECTION THROUGH AILERON SERVO DRIVE
6.5 x 3.0 Balsa Ribs
6.5 mm Sq Balsa
6.35mm Sq Spruce
6.35mm Sq Spruce
3.0 mm Hoop pine Dihedral brace
6.35mm Sq Spruce
Robart Small Hinges
6.5 Sq Balsa
6.5 x 3.0 Balsa Ribs
6.5 Sq Balsa
6.5 Sq Balsa
3 pieces of 1.0 mm Fibre glass bracing Slow cure epoxy to Spruce square.
11.0
ø2.0
ø3.0
6.0
TYPICAL CROSS BRACING TAB Make 4 from 10 mm brass or steel
575 mm centres for 1.5° Dihedral
571 mm centres for 0° Scale Dihedral
146.0
Use Sullivan closed loop wire system for bracing
Epoxy a piece of balsa into the tubing, drill out for 4-40 threaded rod.
K&S ¼" Aluminium Streamlined Tube
2-56 Sullivan connecter
Dubro 4-40 Threaded Rod
Dubro 4-40 Ball Link
Slingsby T.7
1/5 th scale glider