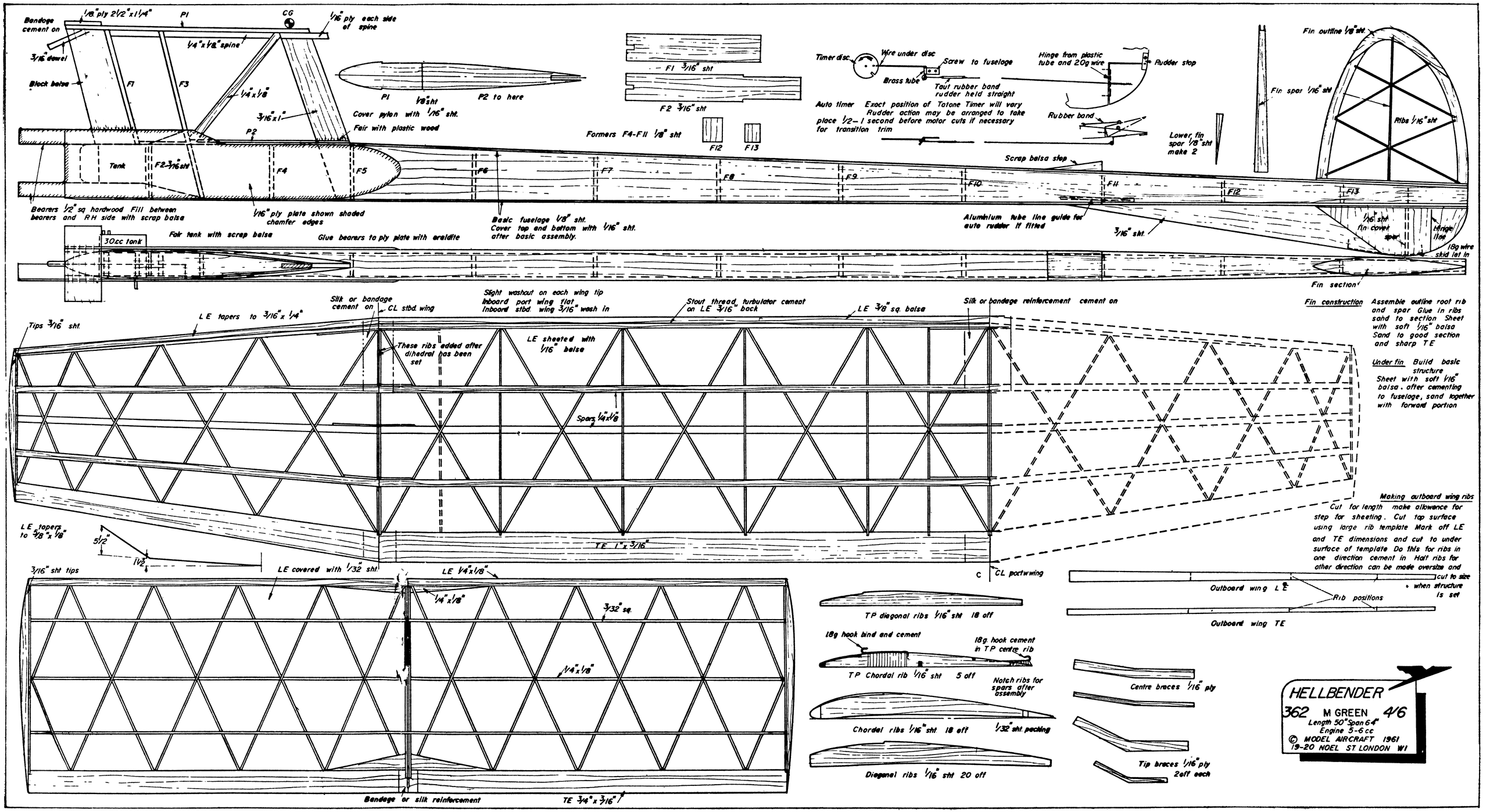
1/8" ply 2 1/2" x 1 1/4"
P1
CG
1/16" ply each side of spine
Bandage cement on
1/4" x 1/8" spine
3/16" dowel
Block balsa
F1
F3
1/4" x 1/8"
3/16" x 1"
P2
P1
1/8" sht
P2 to here
Cover pylon with 1/16" sht.
Fair with plastic wood
F1 3/16" sht
F2 3/16" sht
Formers F4-F11 1/8" sht
F12
F13
Timer disc
Wire under disc
Screw to fuselage
Brass tube
Taut rubber band rudder held straight
Auto timer Exact position of Tatone Timer will vary Rudder action may be arranged to take place 1/2-1 second before motor cuts if necessary for transition trim
Hinge from plastic tube and 20g wire
Rudder stop
Rubber band
Lower fin spar 1/8" sht make 2
Fin outline 1/8" sht.
Fin spar 1/16" sht
Ribs 1/16" sht
Tank
F2 3/16" sht
F4
F5
F6
F7
F8
F9
F10
F11
F12
F13
Scrap balsa step
Bearers 1/2" sq hardwood Fill between bearers and RH side with scrap balsa
1/16" ply plate shown shaded chamfer edges
Fair tank with scrap balsa
Glue bearers to ply plate with araldite
Basic fuselage 1/8" sht. Cover top and bottom with 1/16" sht. after basic assembly.
Aluminium tube line guide for auto rudder if fitted
3/16" sht.
1/16" sht fin cover spar
Hinge line
18g wire skid let in
Fin section
30cc tank
Tips 3/16" sht.
LE tapers to 3/16" x 1/4"
Slit or bandage cement on
CL stbd. wing
These ribs added after dihedral has been set
Slight washout on each wing tip
Inboard port wing flat.
Inboard stbd wing 3/16" wash in
LE sheeted with 1/16" balsa
Stout thread, turbulator cement on LE 3/16" back
LE 3/8" sq. balsa
Silk or bandage reinforcement cement on
Spars 1/4" x 1/8"
LE tapers to 3/8" x 1/8"
5 1/2"
1 1/2"
TE 1" x 3/16"
CL portwing
Fin construction Assemble outline root rib and spar Glue in ribs sand to section Sheet with soft 1/16" balsa Sand to good section and sharp TE
Under fin Build basic structure Sheet with soft 1/16" balsa. after cementing to fuselage, sand together with forward portion
Making outboard wing ribs
Cut for length make allowance for step for sheeting. Cut top surface using large rib template Mark off LE and TE dimensions and cut to under surface of template Do this for ribs in one direction cement in Half ribs for other direction can be made oversize and cut to size when structure is set
3/16" sht tips
LE covered with 1/32" sht
LE 1/4" x 1/8"
1/4" x 1/8"
3/32" sq.
1/4" x 1/8"
Bandage or silk reinforcement
TE 3/4" x 3/16"
Outboard wing LE
Rib positions
Outboard wing TE
TP diagonal ribs 1/16" sht 18 off
18g hook bind and cement
18g. hook cement in TP centre rib
TP Chordal rib 1/16" sht 5 off
Notch ribs for spars after assembly
Chordal ribs 1/16" sht 18 off
1/32" sht packing
Diagonal ribs 1/16" sht 20 off
Centre braces 1/16" ply
Tip braces 1/16" ply 2 off each
HELLBENDER
362 M GREEN 4/6
Length 50" Span 64"
Engine 5-6 cc
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19-20 NOEL ST LONDON W1