LEADING EDGE - 1" SQ. BALSA - CARVE TO SHAPE

SERVO

(5)

(3)

(4)

(2)

(1)

1/16" BALSA SHEETING TOP & BOT.

MAIN SPAR 1/4" X 15/16" BALSA

REAR SPAR 1/4" X 9/16" BALSA

SOFT BALSA TIP BLOCK

WING TIP FLOAT LOCATION

TRAILING EDGE CUT FROM 3/8" BALSA

1/8" BALSA GUSSET

AILERONS - 1/4" X 1" TRAILING EDGE STOCK

1/16" PLY ON TOP

AILERON TORQUE RODS MADE FROM 3/32" PIANO WIRE WITH 3/32" I.D. BRASS TUBING. GROOVE OUT T.E. FOR TUBING TO SET IN.

HINGE ℄ LOCATION

GOLDBERG FALCON "56"
WING KIT WITH MODIFIED CENTER SECTION.

NOTE: IF WING IS SCRATCH BUILT SPARS CAN BE STOCK WOOD SIZES BY CHANGING RIB TEMPLATE

DIHEDRAL 1/2" EACH TIP

TRAILING EDGE (1)

REAR SPAR (2)

MAIN SPAR (FRONT)(3)

(REAR)(4)

LEADING EDGE (5)

ALL DIHEDRAL BRACES MADE FROM 1/8" PLY

22 RIBS CUT TO SOLID LINES
6 CUT TO DOTTED LINES

1/16" BALSA

TAB FOR BUILDING WING ON FLAT WORK BENCH. TRIM OFF AFTER ASSY.

CHECK WING PLAN FOR DIHEDRAL BRACE CUTOUTS

WING RIBS

5/32" PIANO WIRE L.G. ATTACH WITH 3 "J" BOLTS

L.E. PLY DIHEDRAL BRACE CAN BE TRIMMED AWAY FOR THIS SIZE SERVO

SPRUCE MOUNT

KPS-11 AILERON SERVO

1/8" PLY MOUNT

DUBRO AILERON CONNECTORS

AILERON SERVO DETAIL

TOP

"T" PIN

WING TIP FLOATS SOFT BALSA

SIDE

WOOD SCREW

FRONT

ATTACH WITH RUBBER BAND

SHAPE ELEVATOR FROM PROFILE VIEW

ENTIRE STAB BUILT UP FROM 1/4" BALSA

1/4" WING DOWELS

1/8" BALSA SIDES

1/2" TRIANGLE STOCK

1/4" SQ. BALSA

ELEVATOR PYROD

TOP & BOTTOM SHEETING NOT SHOWN IN THIS VIEW

RUDDER PYROD

HATCH FASTENER

3
1/4" BALSA

5
1/4" BALSA

4
1/4" BALSA

2
1/4" BALSA

1
3/16" PLY

RUBBER BANDS USED TO HOLD TANK IN PLACE

WING ℄

ENGINE ℄

TOP VIEW OF ENGINE POD

K & B .40 FR ENGINE USE ON PROTOTYPE

ENGINE & TANK POD OF FIBERGLASS OR CARVED & HOLLOWED BALSA

SULLIVAN TANK R-10 10 OZ.

2" SPINNER

9" COMMERCIAL CANOPY CUT TO FIT & ZAPPED TO 1/8" BALSA BASE

HARDWOOD STIR STICK

BALSA FAIRING

USE WILLIAMS BROS. PILOT

DRILL HOLE THRU SPAR FOR CABLE

KING FLEXROD ENGINE CONTROL

3/8" LAMINATED PLYWOOD ENGINE PYLON

TORNADO 10-6 PUSHER PROP (BOIL BEFORE USE)

ENGINE PYLON LAMINATE FROM 3 PIECES OF 1/8" PLY TO MAKE 3/8"

CUTOUT SHOWN FOR K & B .40 FR R/C

ELEVATOR NYROD

1/4" TRIANGLE STOCK ON EACH SIDE OF FIN

1/4" SHEET BALSA FIN & RUDDER

KLETT HINGES

RUDDER SHAPED & TAPERED TO T.E.

BALSA NOSE BLOCK WITH CUT OUT TO ACCOMMODATE NOSE GEAR. ATTACH WITH PLASTIC TAPE

HATCH FASTENER NYLON OR PLY

MEDIUM BALSA BLOCK CARVED TO SHAPE

1/2" TRIANGLE STOCK

HATCH HOOK

C.G.

1/16" PLY

1/8" SHEET BALSA TOP

RUDDER NYROD

BATTERY COMP.

RECEIVER COMPARTMENT

KPS-11 SERVOS ELEV. & RUD.

THROTTLE SERVO HELD IN PLACE WITH SERVO TAPE TO RIB

1/8" SHEET BALSA FUSELAGE SIDES

1/2" TRIANGLE STOCK

BALSA FILLER BLOCK

1/4" SQ. BALSA

GOLDBERG SKID

GOLDBERG NOSE GEAR ASSEMBLY

1/4" SQ. BALSA

3/32" PLY BOTTOM

1/8" SHEET BALSA BOTTOM

FIN

NYRODS

2" NOSE WHEEL

2-1/4" MAIN WHEELS

6
1/4" BALSA

7
1/4" BALSA

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PONDHOPPER

DESIGNED BY	KEN WILLARD	DRAWN BY	DICK KIDD

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PLAN NO. 634