3/16 SQ SPARS

TYPICAL WING SECTION

1/8" WASHOUT
(VIEWED FROM REAR)

ROOT RIB
ANGLE GUIDE

LIGHT BLOCK WING TIPS

1" DIHEDRAL PER TIP

1/2" SQ BALSA LEADING EDGE

1/2" SQ BALSA LEADING EDGE

1/16 X 3/16
BALSA
CAP STRIPS
TYPICAL

1/16 BALSA
VERTICAL
GRAIN
SHEER WEBS
1ST 4 BAYS

1/16 BALSA
SHEET

1/8 BALSA

1/16 BALSA

1/16 BALSA

5/16 X 1 AILERONS

5/16 X 1 1/4 AILERONS

1/2A AILERON TORQUE RODS

PLYWOOD

WRAP CENTER WITH
NYLON OR GLASS CLOTH
AND EPOXY

F1

1 DEGREE RIGHT
THRUST

1 3/4"
SPINNER

1/2" BALSA
FILL

1/8 DOWEL

GRAIN

GRAIN

GRAIN

FIREWALL
3/16 PLY

H1
1/8 BALSA

H2
1/8 BALSA

F2
1/8 BALSA

F3
3/32 OR 1/8 BALSA

F4
1/8 BALSA

F5
1/8 BALSA

PLANK WITH 1/16 OR 3/32
BALSA

BUBBLE CANOPY

SHEET WITH 1/16 BALSA

TYPICAL
TURTLEDECK

LIGHT FILL

GRAIN

2 DEGREES
DOWN
THRUST

H1

1/4 SQ

H2

LIGHT BLOCK
BALSA FILL

F2

F3

F3

F4

F5

GRAIN

GRAIN

CENTERLINE

1/16 WIRE
JOINER

1/4 SQ
BALSA

FUSELAGE SIDES
1/16 BALSA

STAB, ELEVATOR,
FIN,RUDDER
1/8 BALSA SHEET

1/4 SQ

COOLING
AIR
HOLE

FIREWALL
(MOVE TO SUIT
YOUR MOTOR APPLICATION)

1/8 BALSA
CROSS GRAIN

GREAT PLANES .19
ALUMINUM GEAR

1/8 AIRCRAFT PLY

1/8 BALSA TAPERS INTO 1/16

1/16 BALSA CROSS GRAIN

COOLING AIR
EXIT HOLE
ON BOTTOM

ELE AND RUDDER
PUSHROD EXITS

1" TAILWHEEL

2.5" WHEELS

LANDING GEAR DETAIL

ELECTRIC KEN WILLARD "TOP DAWG"

REDESIGNED BY MARK RITTINGER
2010

A 39.25" 4 CHANNEL R/C SPORT MODEL