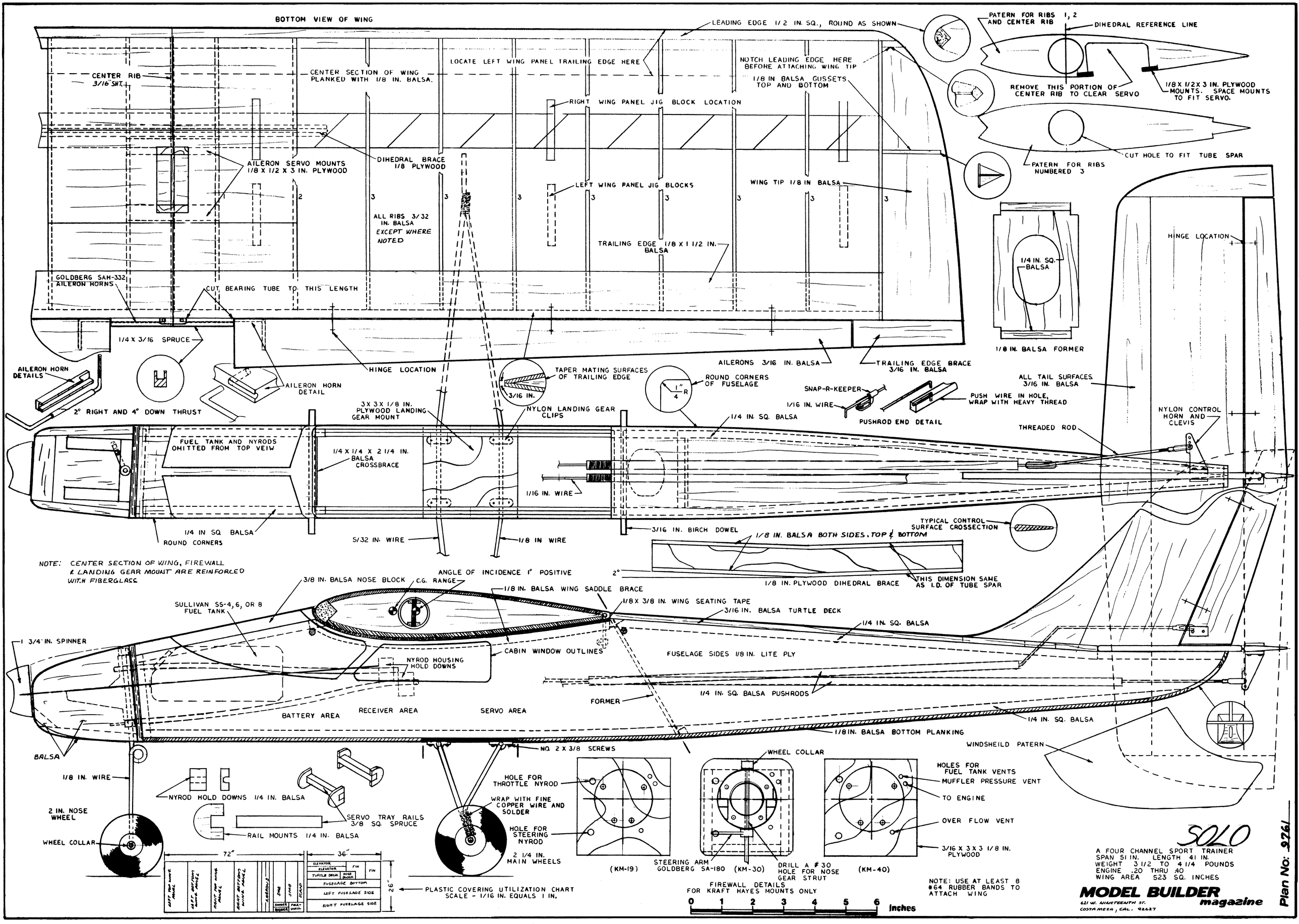
BOTTOM VIEW OF WING
LEADING EDGE 1/2 IN. SQ., ROUND AS SHOWN
PATERN FOR RIBS 1, 2 AND CENTER RIB
DIHEDRAL REFERENCE LINE
CENTER RIB 3/16" SHT.
CENTER SECTION OF WING PLANKED WITH 1/8 IN. BALSA.
LOCATE LEFT WING PANEL TRAILING EDGE HERE
NOTCH LEADING EDGE HERE BEFORE ATTACHING WING TIP
1/8 IN BALSA GUSSETS TOP AND BOTTOM
REMOVE THIS PORTION OF CENTER RIB TO CLEAR SERVO
1/8 X 1/2 X 3 IN. PLYWOOD MOUNTS. SPACE MOUNTS TO FIT SERVO.
RIGHT WING PANEL JIG BLOCK LOCATION
CUT HOLE TO FIT TUBE SPAR
PATERN FOR RIBS NUMBERED 3
AILERON SERVO MOUNTS 1/8 X 1/2 X 3 IN. PLYWOOD
DIHEDRAL BRACE 1/8 PLYWOOD
LEFT WING PANEL JIG BLOCKS
WING TIP 1/8 IN BALSA
ALL RIBS 3/32 IN. BALSA EXCEPT WHERE NOTED
TRAILING EDGE 1/8 X 1 1/2 IN. BALSA
HINGE LOCATION
1/4 IN. SQ. BALSA
1/8 IN. BALSA FORMER
GOLDBERG SAH-332 AILERON HORNS
CUT BEARING TUBE TO THIS LENGTH
1/4 X 3/16 SPRUCE
AILERON HORN DETAILS
AILERON HORN DETAIL
HINGE LOCATION
TAPER MATING SURFACES OF TRAILING EDGE
3/16 IN.
AILERONS 3/16 IN. BALSA
TRAILING EDGE BRACE 3/16 IN. BALSA
ROUND CORNERS OF FUSELAGE
1" R 4
SNAP-R-KEEPER
1/16 IN. WIRE
PUSH WIRE IN HOLE, WRAP WITH HEAVY THREAD
PUSHROD END DETAIL
ALL TAIL SURFACES 3/16 IN. BALSA
2° RIGHT AND 4° DOWN THRUST
3 X 3 X 1/8 IN. PLYWOOD LANDING GEAR MOUNT
NYLON LANDING GEAR CLIPS
1/4 IN. SQ. BALSA
NYLON CONTROL HORN AND CLEVIS
THREADED ROD
FUEL TANK AND NYRODS OMITTED FROM TOP VEIW
1/4 X 1/4 X 2 1/4 IN. BALSA CROSSBRACE
1/16 IN. WIRE
1/4 IN SQ. BALSA ROUND CORNERS
5/32 IN. WIRE
1/8 IN WIRE
3/16 IN. BIRCH DOWEL
TYPICAL CONTROL SURFACE CROSSECTION
1/8 IN. BALSA BOTH SIDES, TOP & BOTTOM
2°
1/8 IN. PLYWOOD DIHEDRAL BRACE
THIS DIMENSION SAME AS I.D. OF TUBE SPAR
NOTE: CENTER SECTION OF WING, FIREWALL & LANDING GEAR MOUNT ARE REINFORCED WITH FIBERGLASS
3/8 IN. BALSA NOSE BLOCK
C.G. RANGE
ANGLE OF INCIDENCE 1° POSITIVE
1/8 IN. BALSA WING SADDLE BRACE
1/8 X 3/8 IN. WING SEATING TAPE
3/16 IN. BALSA TURTLE DECK
1/4 IN. SQ. BALSA
SULLIVAN SS-4, 6, OR 8 FUEL TANK
1 3/4" IN. SPINNER
CABIN WINDOW OUTLINES
FUSELAGE SIDES 1/8 IN. LITE PLY
NYROD HOUSING HOLD DOWNS
1/4 IN. SQ. BALSA PUSHRODS
FORMER
BATTERY AREA
RECEIVER AREA
SERVO AREA
1/4 IN. SQ. BALSA
1/8 IN. BALSA BOTTOM PLANKING
BALSA
NO. 2 X 3/8 SCREWS
WINDSHEILD PATERN
1/8 IN. WIRE
NYROD HOLD DOWNS 1/4 IN. BALSA
2 IN. NOSE WHEEL
SERVO TRAY RAILS 3/8 SQ. SPRUCE
RAIL MOUNTS 1/4 IN. BALSA
WHEEL COLLAR
HOLE FOR THROTTLE NYROD
WRAP WITH FINE COPPER WIRE AND SOLDER
HOLE FOR STEERING NYROD
2 1/4 IN. MAIN WHEELS
WHEEL COLLAR
HOLES FOR FUEL TANK VENTS
MUFFLER PRESSURE VENT
TO ENGINE
OVER FLOW VENT
3/16 X 3 X 3 1/8 IN. PLYWOOD
(KM-19)
STEERING ARM GOLDBERG SA-180
(KM-30)
DRILL A #30 HOLE FOR NOSE GEAR STRUT
(KM-40)
FIREWALL DETAILS FOR KRAFT HAYES MOUNTS ONLY
0 1 2 3 4 5 6 Inches
72"
36"
26"
LEFT TOP WING PANEL
LEFT BOTTOM WING PANEL
RIGHT TOP WING PANEL
RIGHT BOTTOM WING PANEL
AILERONS
SPAR
SPAR
DOWEL
RUDDER
RUDDER
FIRE-WALL
ELEVATOR
ELEVATOR
FIN
FIN
TURTLE DECK
NOSE BLOCK
FUSELAGE BOTTOM
LEFT FUSELAGE SIDE
RIGHT FUSELAGE SIDE
PLASTIC COVERING UTILIZATION CHART SCALE - 1/16 IN. EQUALS 1 IN.
NOTE: USE AT LEAST 8 #64 RUBBER BANDS TO ATTACH WING
SOLO
A FOUR CHANNEL SPORT TRAINER
SPAN 51 IN. LENGTH 41 IN.
WEIGHT 3 1/2 TO 4 1/4 POUNDS
ENGINE .20 THRU .40
WING AREA 523 SQ. INCHES
MODEL BUILDER magazine
621 W. WHITTIER ST.
COSTA MESA, CAL. 92627
Plan No: 9261